COMMERCIAL SALES AND REFERENCE GUIDE

YOKOHAMA®

CONTENTS

YOKOHAMA®

THE ROAD AHEAD IS CHALLENGING.
WE ARE THE SMART SOLUTION.

SmartSolution is the driving force behind Yokohama innovation – the core of our existence. It is our approach to ensure that we are the best partner for you, and it's what sets us apart from other suppliers. Focusing on the things that our customers consider most important: Longevity, Efficiency, Availability and Dependability, we've turned your day-to-day challenges into our primary focus. Developing products and services to help your business run smoother and ultimately improve your bottom line. Yokohama, the Smart Solution.

LONGEVITY
A FULL LINE OF LONG-LASTING, FUEL-EFFICIENT PRODUCTS.

EFFICIENCY
MORE STAFF, IMPROVED LOGISTICS, 24/7 EMERGENCY SERVICE.

AVAILABILITY
NATIONWIDE DEALER NETWORK OFFERING MORE ACCESS POINTS THAN ANY OTHER SUPPLIER.

DEPENDABILITY
THE LOWEST COST OF OWNERSHIP IN THE INDUSTRY.

YOKOHAMA smart solution®
LONGEVITY ▪ EFFICIENCY ▪ AVAILABILITY ▪ DEPENDABILITY

YES Program

Teaming up with Yokohama drives business to you 24-hours per day, every day of the year. Yokohama's YES, national emergency roadside tire service is just one more way Yokohama supports its dealers in providing fast, efficient service any time of day.

YOKOHAMA smart solution Certified

Trust Our Certified Dealer Network

Not only can we be found where and when you need us, we also partner with professional dealers who understand the importance of efficient and dependable service. Every SmartSolution Certified Dealer in our network is put through a rigorous certification process to ensure the quality of service expected from Yokohama.

THE YOKOHAMA DIFFERENCE

As a tire rotates under load, thousands and thousands of times, the forces on the casing steel and rubber compounds are incredibly stressful. This strain energy can take the life out of tires prematurely. Our exclusive technologies help combat this fatigue by reinforcing the casing to extend tire life, allowing for multiple retreads and reducing maintenance costs. Which means you're getting more tire for your dollar.

ENVIRONMENTAL PERFORMANCE

The BluEarth® brand is reserved for Yokohama's most environmentally-friendly tires engineered with advanced technologies focused on fuel-efficiency and performance.

SMARTER ENGINEERING FROM THE START

Contrary to popular belief, better performance doesn't always come at the expense of the environment. Thanks to an innovative manufacturing process, we've developed tires designed to reduce the things that matter most: pollution, fuel-consumption and, ultimately, your operating costs.

STRAIN ENERGY MINIMIZATION TECHNOLOGY: EXTENDED CASING LIFE

Consider the effects of rapidly bending a paper clip, this is an exaggerated view of what the steel belts of a tire's casing face over the many miles of its life. Over time, the strain of heavy loads, heat, rough roads and everyday operation break down the steel, reducing casing life. Our STEM technology reinforces the casing to help it stand up to these strains allowing for multiple retreads, deeper tread depths and wider tread profiles.

MC² CONSERVATION TO THE NTH DEGREE

When the enemy is fuel consumption, the solution is our Maximized Conservation Concept (MC²) technology. Utilizing advanced technology that minimizes the effects of heat on the casing and tread, MC² tires lower rolling resistance by 10% to reduce your cost-per-mile.

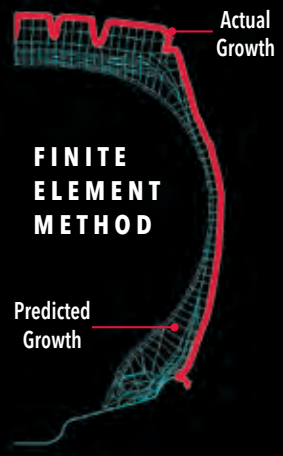
PROUD TO BE SMARTWAY® VERIFIED

Yokohama offers a number of tires designed to meet SmartWay's stringent low rolling resistance criteria.

OUR CASING

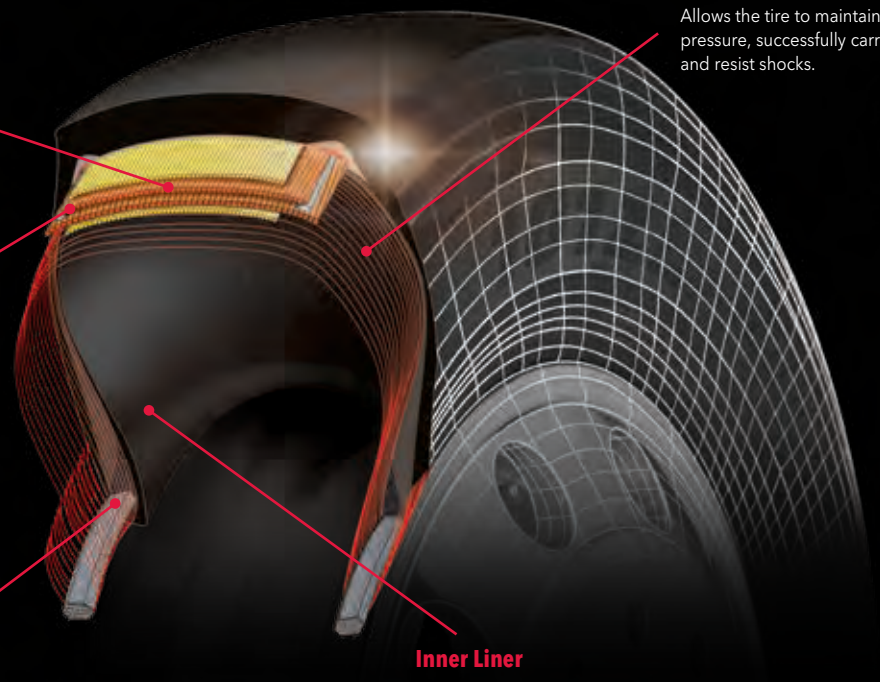
The life of a tire is dependent on many elements, but perhaps most important is the strength and integrity of its casing. It's the foundation of the tire, the base on which everything rests. At Yokohama, we take pride in our commitment to building casings that maximize original tread longevity, performance, and ensure retreadability.

Building the best casing in the industry is no simple feat. Using Finite Element Method, our engineers can accurately predict the natural growth that occurs during the first 30,000 miles of operation. With that information they're able to design a product that adapts to the operational stresses and strains the tire will encounter in operation.



Steel Belts
Effectively increase the stiffness of the tread area, minimize distortion of the ground contact area, provide puncture resistance, and increase fuel-efficiency.

Body Ply
Allows the tire to maintain inflation pressure, successfully carry the load and resist shocks.

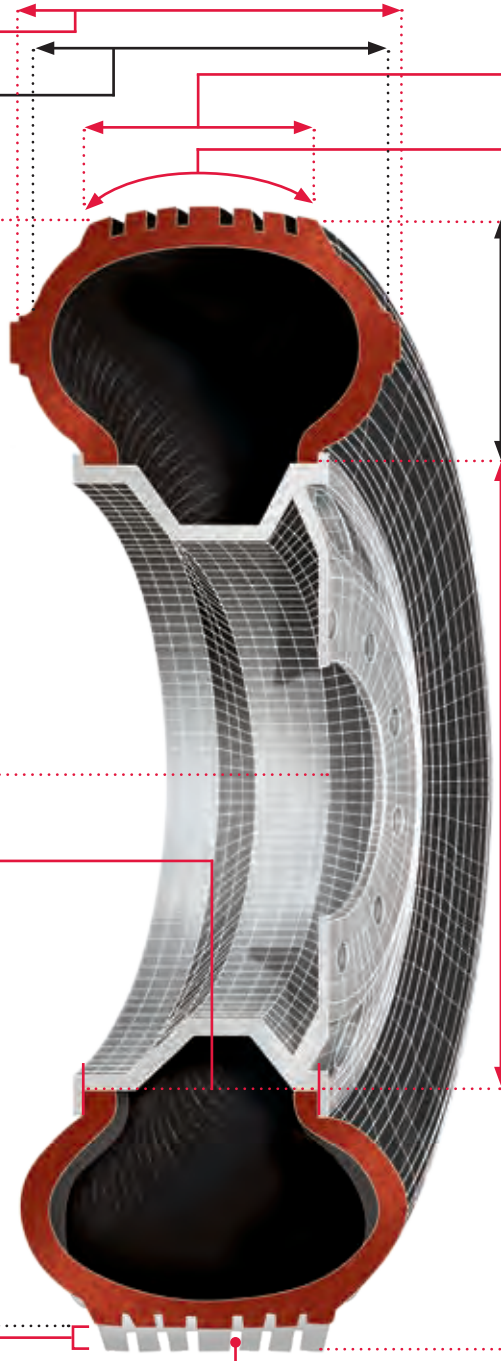


Belt Edge Cushion
Help prevent separation of the belt edges (and therefore the tread) caused by the scissoring effect of the belts.

Inner Liner
Specially designed to minimize air seepage into adjacent areas of the tire. The quality of the inner liner is critical to prevent air from penetrating into the casing.

Bead Assembly
Our unique bead assemblies are combinations of steel and nylon chafers (reinforcing cord layers) wrapped around the bead (a bundle of high-tensile steel wires) and the bead filler (apex rubber). These combinations reinforce the bead area to secure the inflated tire against the rim. In a tubeless tire, this fit must be tight enough that air does not leak from the tire during normal operation.

TIRE DIMENSIONS



Overall Width
The exterior measurement of a tire's width from the inner to the outer sidewall (including protective ribs and decorations) when properly mounted and inflated.

Tread Width
The distance from the outer edge to the inner edge of the tread.

Tread Radius
The design curvature of the tread profile.

Section Height
The measurement of the vertical distance between the tire's bead seat and outer tread surface when properly mounted and inflated, but with no load placed on the tire.

Section Width
The measurement of a tire's width from sidewall to sidewall (excluding protective ribs or decorations) when properly mounted and inflated, but with no load placed upon the tire.

Free Radius
The distance from the wheel axle center line to the outer tread surface of the unloaded, properly inflated tire.

Nominal Rim Diameter
The linear distance between bead seats measured at the widest point. This measurement may be in inches or millimeters.

Rim Width
The linear distance between the outer and inner rim flanges on which the tire bead sits.

Overall Diameter
The linear distance between the tire's tread surfaces measured at the widest point. This measurement is taken with the tire mounted on the measuring rim and no load applied.

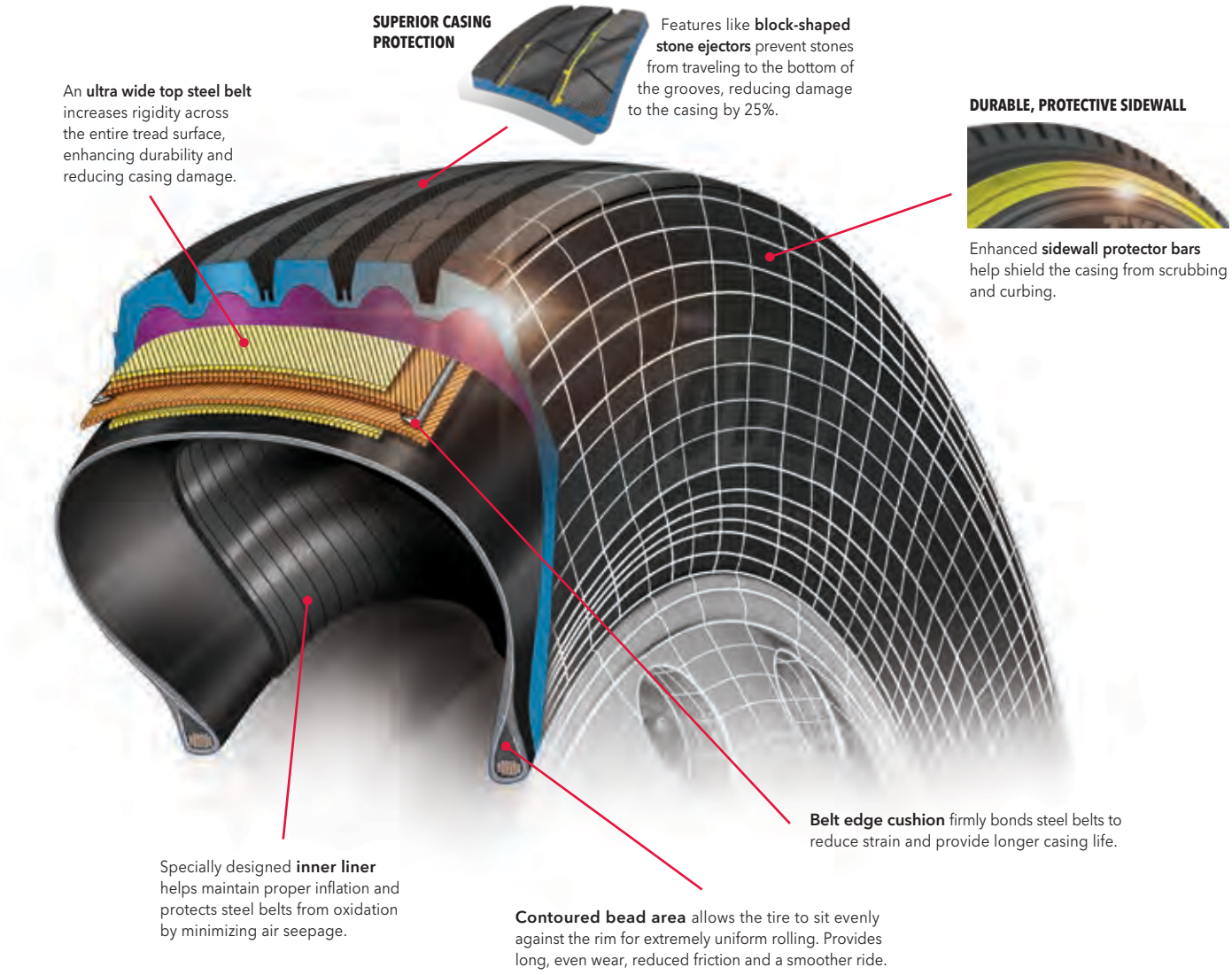
Static Loaded Radius
The distance from the wheel axle center line to the tread contact surface. Measured after the tire has been mounted on its measuring rim, inflated to the test pressure and placed under a prescribed load.

Deflection
The measured difference between the tire's free radius and loaded radius when mounted on the measuring rim, inflated to the test pressure and placed under a prescribed load.

Groove Depth
The amount of manufactured tread measured at a predetermined location.

YOKOHAMA TIRE CONSTRUCTION

All radial tires consist of a sidewall, tread, shoulder and bead areas with each individual component contributing to the integrity of the overall product. The technological advancements in our products, including unique combinations of rubber compounds and innovative construction methods, offer better handling, ride comfort, treadwear and fuel-economy than ever before.



SUPERIOR CASING PROTECTION

Features like **block-shaped stone ejectors** prevent stones from traveling to the bottom of the grooves, reducing damage to the casing by 25%.

An **ultra wide top steel belt** increases rigidity across the entire tread surface, enhancing durability and reducing casing damage.

DURABLE, PROTECTIVE SIDEWALL

Enhanced **sidewall protector bars** help shield the casing from scrubbing and curbing.

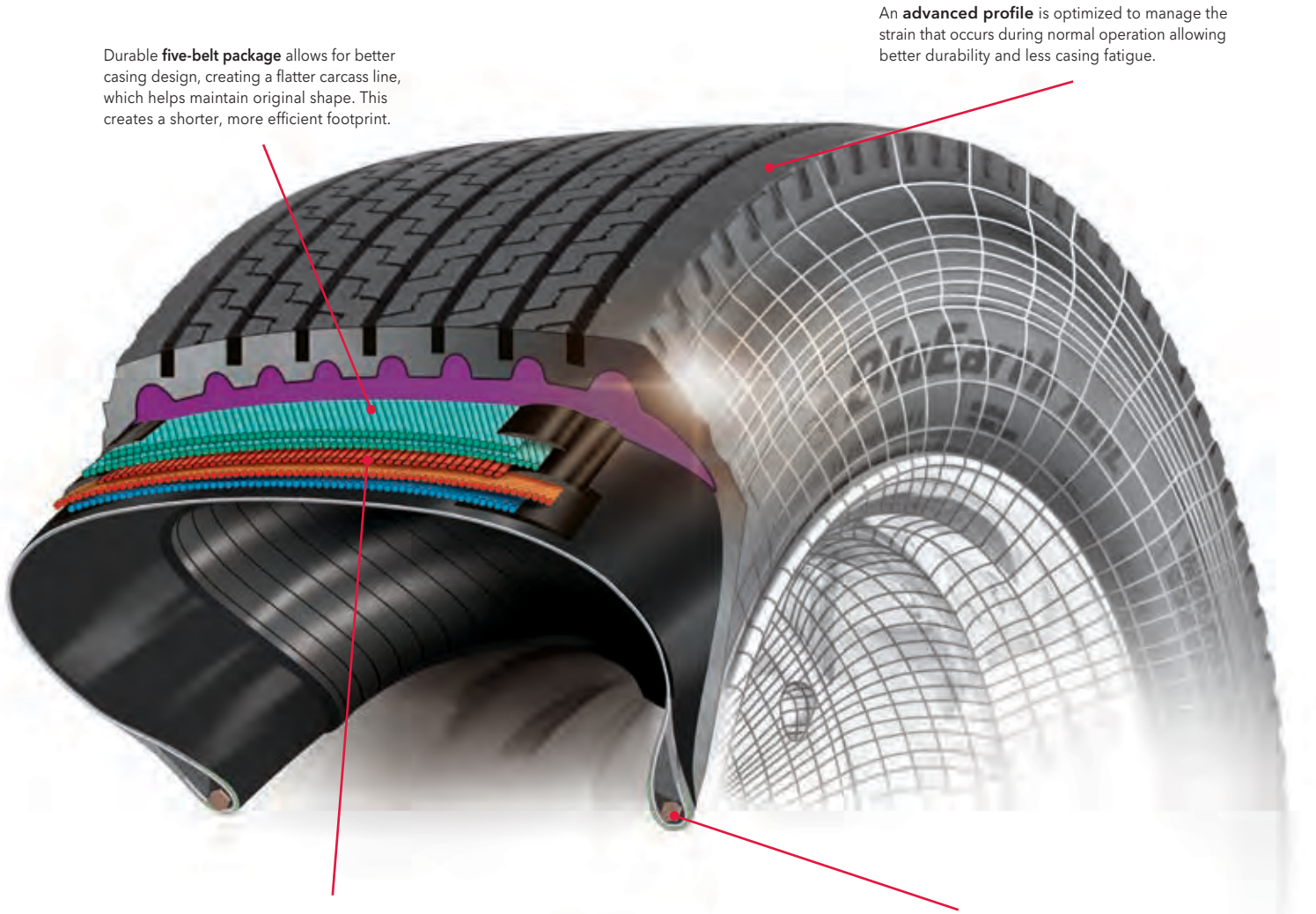
Belt edge cushion firmly bonds steel belts to reduce strain and provide longer casing life.

Specially designed **inner liner** helps maintain proper inflation and protects steel belts from oxidation by minimizing air seepage.

Contoured bead area allows the tire to sit evenly against the rim for extremely uniform rolling. Provides long, even wear, reduced friction and a smoother ride.

ULTRA WIDE BASE CONSTRUCTION

Fleets around the world have turned to ultra wide base tires to help lower operating expenses. From ease of maintenance to increased cargo capacity and decreased fuel-consumption, these products are built to improve the efficiency of your vehicle.



Durable **five-belt package** allows for better casing design, creating a flatter carcass line, which helps maintain original shape. This creates a shorter, more efficient footprint.

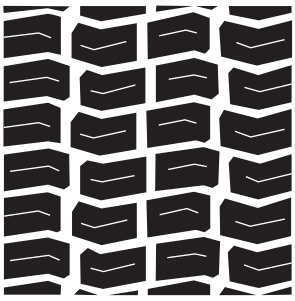
An **advanced profile** is optimized to manage the strain that occurs during normal operation allowing better durability and less casing fatigue.

Zero degree belt, engineered specifically to provide even pressure across the contact patch, allows for even weight distribution and vastly increased treadlife.

Oversized hexagonal bead and double nylon chafer allow for easier mounting and provide even pressure along the wheel's circumference to reduce strain and increase the life of the tire.

TREAD DESIGN

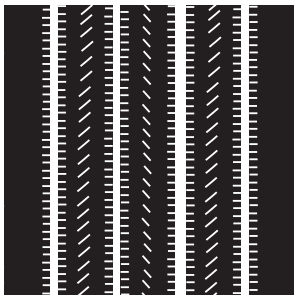
It's the pattern of the tread combined with specially formulated rubber compounds that gives each tire its specific performance characteristics. Recognized as a leader in tread design, we're continually researching new and innovative ways to improve tire performance and fuel efficiency.



BLOCK TYPE

This tread pattern is composed of independent blocks and has the following advantages:

- Outstanding braking force and traction
- Good traction on snow or in muddy terrain



RIB TYPE

In the rib type pattern the tread and grooves follow the circumference of the tire and have the following advantages:

- Low rolling resistance
- Comfortable ride
- Good steering
- Relatively low noise generation

RIB-BLOCK TYPE

This pattern combines a block type tread in the center with a shoulder rib design and has the following advantages:

- Low rolling resistance
- Comfortable ride
- Relatively low noise generation
- Good traction on snow or in muddy terrain

LUG TYPE

In this pattern, the grooves are cut across the tread to provide the following advantages:

- High braking force
- Excellent traction on unpaved surfaces

TIRE APPLICATION

While the components of a tire determine its inherent performance characteristics, it is the correct application of the tire that guarantees a satisfied customer. Because of this, it is important to carefully consider all the factors that affect tire performance in an application: the size of the vehicle, its specific use, weather, road conditions and terrain.

Conventional Tires

The taller sidewall allows for more flexibility to resist sidewall damage. Their higher static load radius allows for a smoother ride, while their higher diameter measurement delivers decreased rolling resistance.

Low-Profile Tire

Engineered with shorter, more responsive sidewalls, our low-profile tires ensure more uniform ground pressure resulting in less tread distortion. The lower height and lighter weight allow you to maximize your payload.

Wide Base Tires

Yokohama has developed wide base tires for on-road as well as off-road applications. They are especially cost-effective in applications for heavy load-carrying vehicles.

Ultra Wide Base Tires

Utilizing a unique casing that optimizes the operating profile to reduce strain energy, our ultra wide base tires provide better fuel efficiency, longer treadlife and unsurpassed retreadability.

YOKOHAMA COMMERCIAL PRODUCT LINE BY APPLICATION




	Long-Haul			Regional-Haul			Pick-Up & Delivery		On/Off-Road	
	Premium	Standard	Ultra Wide Base	Premium	Standard	Wide Base/ Ultra Wide Base	Conventional	Low Platform	Conventional	Wide Base
Steer / All-Position	101ZL Spec-2	RY617		108R 104ZR Spec-2 104ZR	RY023 RY103	MY507A	104ZR RY023	104ZR RY023 RY103	MY507 MY627W Spec-2 (Waste)	MY507A
Drive	703ZL 709ZL	TY577 MC² TY517 MC² SY767	BluEarth 709L UWB 902L UWB	TY527	TY577 MC² TY517 MC² SY767	MY507A 902L UWB	TY517 MC² TY517	TY287 TY303	MY507 LY053	MY507A
Trailer	BluEarth 109L	RY023 RY587	BluEarth 109L UWB	108R RY587	RY023 RY103	RY253 RY407 UWB	RY023 RY587	RY023 RY103	MY507	MY507A

TIRE IDENTIFICATION

The following letters may be used as part of truck tire size designations to identify the type of service or rim for which the tire is designed.

LT	Identifies a light truck tire for service on trucks, buses, trailers and multipurpose passenger vehicles for normal highway service and to be used on a five degree tapered bead seat or on a 15-degree bead seat rim.
TR	Differentiates certain tires from passenger car, light truck and other vehicles which use similar designations but are designed to fit rims of different bead seat diameters.
ML	Identifies mining and logging tires used in intermittent highway service.
MH	Identifies tires for mobile homes.
NHS	Designates tires "not for highway service."
ST	Indicates special tires for trailers in highway service.
HC	Designates tires for heavy trucks having 15-degree tapered bead seat rims of 17.5" diameter designated "HC". The HC suffix differentiates these tires from light truck tires with 17.5" bead diameter.

EXPLANATION OF TRUCK TIRE DESIGNATIONS

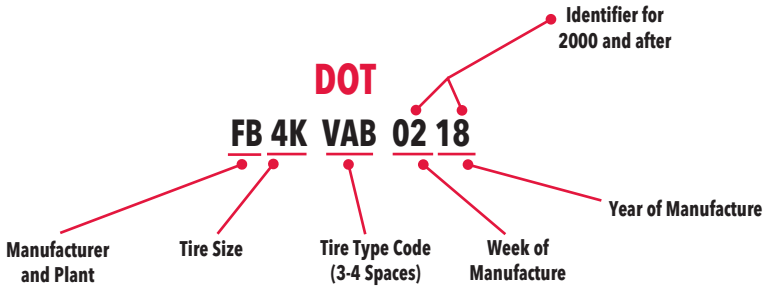
Examples of light truck and commercial truck tire size designations.

TIRE TYPE	TIRE SIZE DESIGNATION			RIM DIAMETER	LOAD IDENTIFICATION	OPTIONAL SERVICE DESCRIPTION	
	NOMINAL SIZE WIDTH (MM)	NOMINAL ASPECT RATIO	CONSTRUCTION CODE R = RADIAL		LOAD RANGE	LOAD INDEX SINGLE/DUAL	SPEED SYMBOL
METRIC SIZES	255	70	R	22.5	G	138/134	M
CONVENTIONAL SIZES	10.00		R	20	H	146/142	L
	11.00		R	22.5	H	146/142	L
	11.00		R	15TR*	H	144/142	
	8.00		R	17.5HC**	F	112/117	L
	10.00		R	20 ML	F		
	11.00		R	22.5 ML	F		

TR* – Indicates a tire for rims having a specified rim diameter plus .156 or .250 • HC** – for use on "HC" rims • ML – Mining and Logging tires

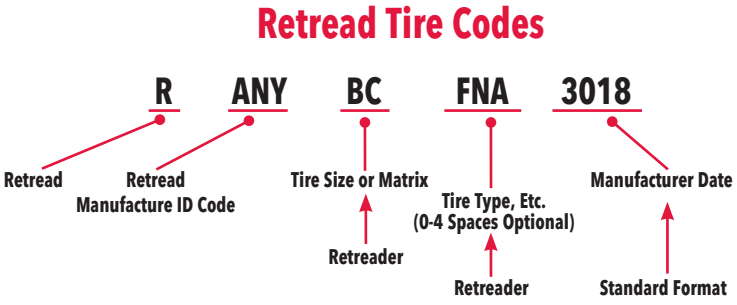
DOT TIRE IDENTIFICATION CODES

All new tires sold in the United States must have a DOT number cured into the lower sidewall of one side of the tire. This code has a standard format which has been designated by the federal government.



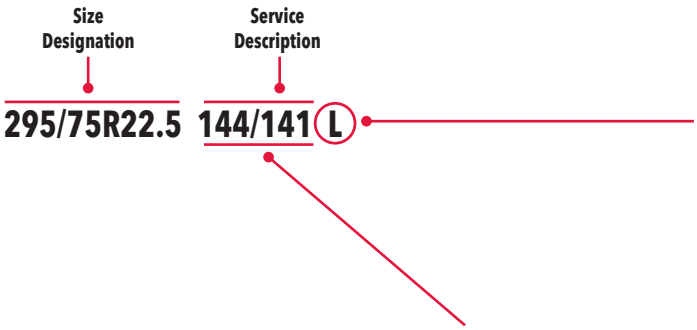
Some manufacturers place an additional code with a specific serial which identifies the specific tire model (a tire type code). This optional number is located on the sidewall opposite the DOT number.

Commercial treads also include codes which are used to detail retread information. This code is generally found on the lower sidewall near the original DOT code.



SIZE DESIGNATION AND SERVICE DESCRIPTION

There are many factors that contribute to how your vehicle performs, but few have as direct an impact as its tires. It's vital to have a good understanding of your tires' capabilities, and more importantly, their limitations. A tire's weight and speed limits are indicated by the tire service description: a short code located on the sidewall. This short code, which consists of a two or three digit number along with a single letter, designates just how much weight your tires are capable of carrying safely (**load index**) and the maximum speed the tires are designed for (**speed category**).



SPEED CATEGORY CHART

Speed Symbol	Speed Category
F	50 mph (80 km/h)
G	55 mph (90 km/h)
J	62 mph (100 km/h)
K	68 mph (110 km/h)
L	75 mph (120 km/h)
M	81 mph (130 km/h)

LOAD INDEX CHART

Load Index	KG	LBS
120	1400	3085
121	1450	3195
122	1500	3305
123	1550	3415
124	1600	3525
125	1650	3640
126	1700	3750
127	1750	3860
128	1800	3970
129	1850	4080
130	1900	4190
131	1950	4300
132	2000	4410
133	2060	4540
134	2120	4675
135	2180	4805
136	2240	4940

Load Index	KG	LBS
137	2300	5070
138	2360	5205
139	2430	5355
140	2500	5510
141	2575	5675
142	2650	5840
143	2725	6005
144	2800	6175
145	2900	6395
146	3000	6610
147	3075	6780
148	3150	6940
149	3250	7160
150	3350	7390
151	3450	7610
152	3550	7830
153	3650	8050

Load Index	KG	LBS
154	3750	8270
155	3875	8540
156	4000	8820
157	4125	9090
158	4250	9370
159	4375	9650
160	4500	9920
161	4625	10200
162	4750	10500
163	4875	10700
164	5000	11000
165	5150	11400
166	5300	11700
167	5450	12000
168	5600	12300
169	5800	12800
170	6000	13200

The maximum load a tire can carry at various cold inflation pressures.

PROPER MATCHING AND SPACING OF DUALS

Paired tires should be of the same size designation, construction, tread design and as close as possible to the same outside diameter. Mismatching duals forces the larger diameter tire to carry an overload, causing it to overdeflect and overheat. The smaller diameter tire, lacking proper road contact, wears faster and irregularly.

MAXIMUM ALLOWABLE DIAMETER DIFFERENCES BETWEEN A TIRE AND ITS DUAL MATE AT EQUAL INFLATION PRESSURES:

Radial Tire Size	Radius (inches)	Diameter (inches)	Circumference (inches)	(+) Depth (-)*
All	0-1/8"	0-1/4"	0-3/4"	4/32

Note: Determine the actual difference in diameter by measuring the tires (with a steel tape) at least 24 hours after initial inflation. Matching should be done before installing tires on the vehicle.
*Applies only if tires are of the same tread.

Tire Mixing

Using the same tire size and construction that was specified as the original equipment for that vehicle will normally produce the best performance from the vehicle and the tires. However, there are times when mixing of different tire sizes and constructions on a vehicle is necessary. Some mixing of tires can be allowed, if certain rules are followed:

1. Never mix different tire sizes or construction types on the same axle.
2. Bias ply tires can be mounted on steer axles and radial tires on single axle drive positions of two axle vehicles. Reversing these positions may result in handling problems.
3. Either bias ply or radial tires can be mounted on the steer axles, if the vehicle has multiple drive axles.
4. All multiple drive axles should have the same size and construction tires.
5. Tires mounted on trailers may be bias or radial, as long as all tires on each individual axle are the same size and construction.
6. No mixing of tire sizes and constructions are allowed on four-wheel-drive type vehicles (4WD).

If there are any other questions about possible tire mixing combinations, the vehicle manufacturer should be consulted before actual changes are made.

DEMOUNTING FOR TUBELESS TRUCK AND BUS TIRES

FOR TIRE SAFETY PROCEDURES, WE RECOMMEND REFERENCING OSHA STANDARDS, WHICH CAN BE FOUND AT THE FOLLOWING: HTTP://WWW.OSHA.GOV

MOUNTING PROCEDURES

Use of Bead Lubricant

Preferred materials for use as bead lubricants are animal or plant-based and mixed with proper water ratios per manufacturers' instructions. When dry, the lubricant should have no residual lubricity and should not flake from the surface upon which it is applied. To avoid damage to tires and rims, the following should be avoided: petroleum oils or grease, improper ratios of approved lubricants and water, silicone oils and emulsions, and solvent-based lubricants.

Use of Sealants

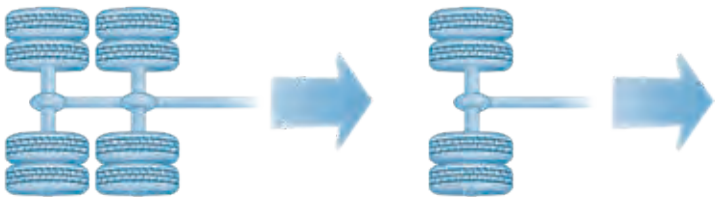
Yokohama does not recommend or endorse the use of additives installed in the interior chamber of its mounted tires. The use of flammable materials is prohibited. The Yokohama Standard Limited Warranty remains in effect with the use of these additives, providing the additive is not the cause of a tire condition submitted for a warranty claim. Damages attributed to the use of an additive will be denied warranty consideration.

MOUNTING DIRECTIONAL TIRES

When mounted properly, directional treads prevent block squirm, effectively reducing irregular wear and improving treadlife.

Direction of Rotation

When viewed from the top, the tread pattern should face in the following direction:



Directional treads should be mounted facing opposite directions to ensure their "direction of rotation" arrows are each pointed to the front of the vehicle. This arrow can be found on the sidewall.

RUN-OUT AND MATCH-MOUNTING

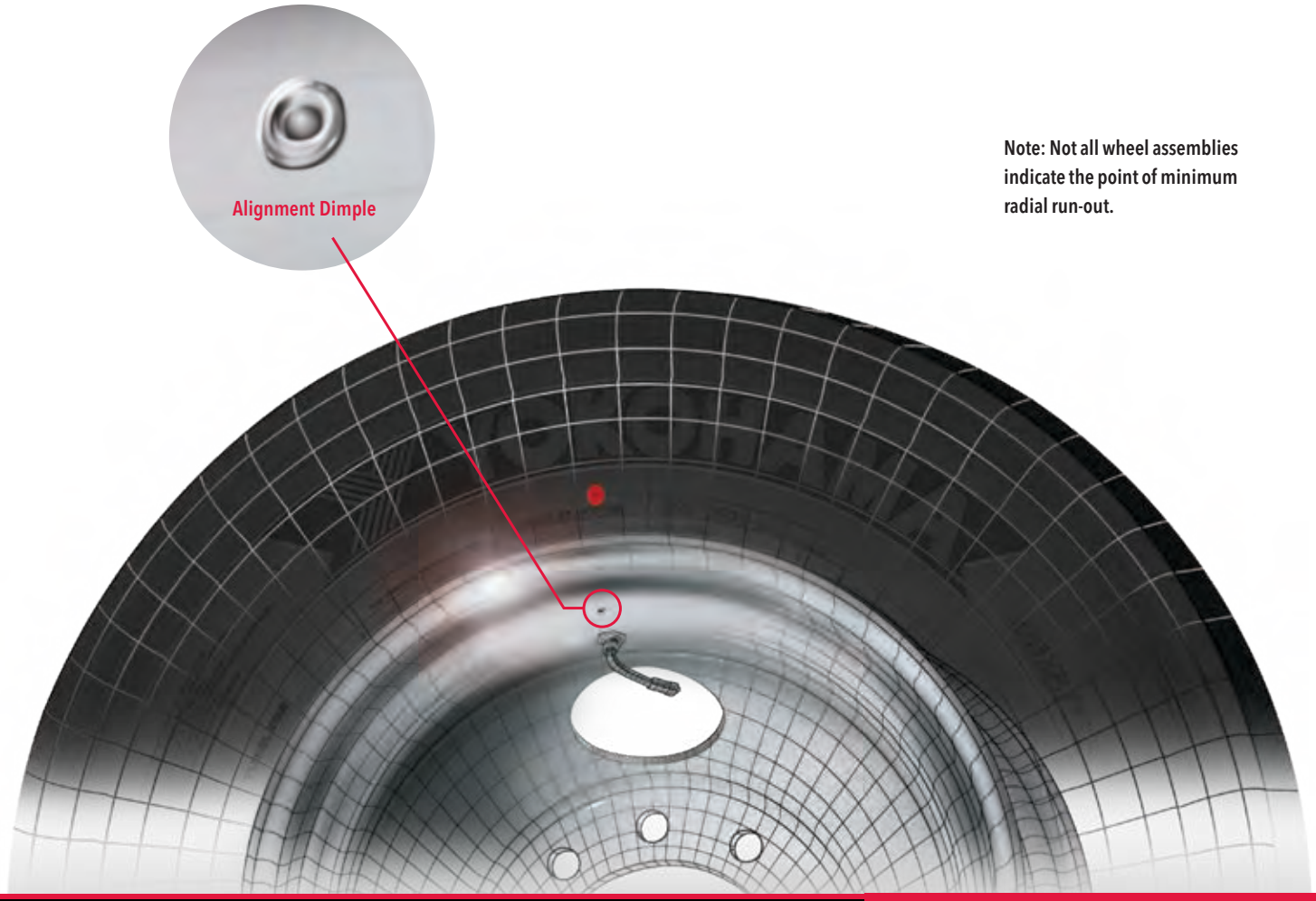
Yokohama places red and yellow marks on the sidewalls of some truck tires to enable the best possible match-mounting of the tire and wheel assembly. There are two methods to ensure they are mounted properly:

Uniformity Method

When performing uniformity match-mounting, the red mark on the tire, indicating the point of maximum radial run-out, should be aligned with the wheel assembly's point of minimum radial run-out, which is generally indicated by a dimple somewhere on the wheel assembly (consult manufacturer for details).

Weight Method

When performing weight match-mounting, the yellow mark on the tire, indicating the point of lightest weight, should be aligned with the valve stem.



Note: Not all wheel assemblies indicate the point of minimum radial run-out.

DIAGNOSING VIBRATION

No factor contributes to a negative operating experience more than vehicle vibration: it torments operators everywhere, degrades ride quality, shortens tire life and strains vehicle components. Fortunately, steps can be taken to avoid operating under these conditions.

1. Visually inspect tires, wheels/rims and vehicle components for irregular wear and damage. Replace or adjust as required.
2. Check to be certain that tires are inflated according to vehicle manufacturer recommendations and the vehicle suspension is working correctly and vehicle is not tilting. Either bias ply or radial tires can be mounted on the steer axles if the vehicle has multiple drive axles.
3. Check each tire to be certain it is mounted properly on the wheel/rim. The tire fitting line should be concentric with the rim flange. If the tire has a yellow or red mark on the tire, it should be oriented to the rim correctly. See "Run-Out and Match-Mounting" section on page 18.
4. Test drive vehicle on a smooth road surface and diagnose symptoms. A five to ten mile warm-up is recommended to remove any flat spotting. Steering wheel vibration diagnosis should begin with front axle, wheel and tire conditions. Floor or seat vibration diagnosis should begin with drive axle. Power train and brake conditions can be diagnosed by alternate brake application and placing the transmission into neutral during vibration.
5. Check each tire wheel/rim assembly balance and adjust as required. If unable to balance, completely deflate tire, unseat tire beads and rotate tire 180 degrees on the wheel/rim. Inflate, rebalance and reinstall on vehicle.
6. If vibration is not eliminated, measure tire and wheel/rim assembly for excessive lateral or radial run-out. Replace as required.
7. Rebalance tire and wheel/rim assembly and test drive vehicle.

TIRE BALANCE, VEHICLE RIDE AND VIBRATION

By design, Yokohama's radial tires are constructed with lower aspect ratios than ever before. This allows them to respond to lateral forces more effectively, meaning it takes less time to transmit the steering input from the wheel to tread. This improved steering response means better performance on the road, but requires special attention be paid to proper tire mounting, balancing and installation procedures to ensure that optimal ride quality is achieved. Vigilant attention to these details along with regular maintenance will maximize your vehicle's performance and guarantee a smooth, comfortable ride—mile after mile.

VEHICLE VIBRATION IS THE ENEMY OF COMFORT

Often operators attribute vibration to a faulty tire when the cause might be with a wear issue or the mechanical condition of the vehicle itself.

LONGER TIRE WEAR. LOWER OPERATING COSTS.

Today's commercial tires are better than ever, constructed to deliver longer original treadlife, designed with durable casings and built to withstand more retreads. Despite these on-going product improvements there are still things that you can do to get the most out of your tires.

One way to get the most out of your vehicle is to be certain your tires roll smoothly through an optimized footprint. Unfortunately the tiniest of imperfections in one of hundreds of mechanisms involved will make your vehicle operate less efficiently. Vigilant inspection, regular service and prudent operation are paramount to ensuring that your cost per mile stays as low as possible.

There are three primary factors that prevent optimum performance from being achieved with otherwise mechanically sound vehicles:

- Incorrect Air Pressure
- Improper Alignment
- Operational Inefficiencies

TIRE PRESSURE

In general, tires perform best when inflated to match vehicle and axle loads. Steer tires often require maximum inflation pressure to carry the steer axle load, while trailer tires should be set at pressure corresponding to actual tire loading. Included in this guide are the current load/inflation pressure tables for all Yokohama products, only. There are three recommended ways to correctly determine and set operational inflation pressures:

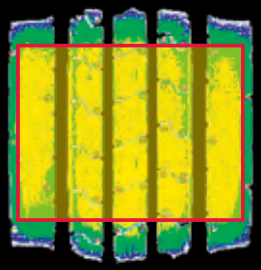
- Yokohama tire load/inflation charts
- Actual vehicle weight
- Yokohama Tire Inflation Pressure Calculator:

  http://www.yokohamatruck.com/commercial/tire-tools/inflation-pressure-calculator

Proper Air Pressure

How a tire wears depends on the forces that act upon the contact patch of that tire as it meets the road. Therefore, it is important to maintain proper inflation pressure. If a tire's load is equal on all ribs or elements, it tends to have a square footprint shape.

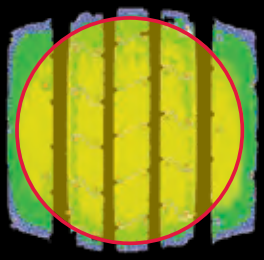
AIR PRESSURE MATCHED TO LOAD



Overinflation

An overinflated tire tends to have a short shoulder rib contact area (shorter than the center rib). As the tire rotates, the footprint center maintains close contact, but the shoulder area does not. This causes scrubbing action and uneven wearing of the shoulder rib while placing more strain on the contact area.

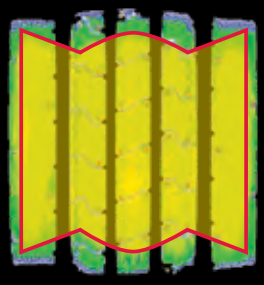
TIRE OVERINFLATED FOR LOAD



Underinflation

An underinflated tire can't maintain its shape and becomes flatter than intended while in contact with the road. This causes over-deflection, internal heat build-up, increased rolling resistance and reduced fuel economy. Underinflation flexing and heat build-up within the tire components deteriorate tires and reduce casing life and retreadability.

TIRE UNDERINFLATED FOR LOAD



- *20% underinflation can reduce tire life 30%*
- *30% underinflation can reduce tire life 40%*
- *40% underinflation can reduce tire life 50%*

YOKOHAMA TIRE INFLATION RECOMMENDATIONS

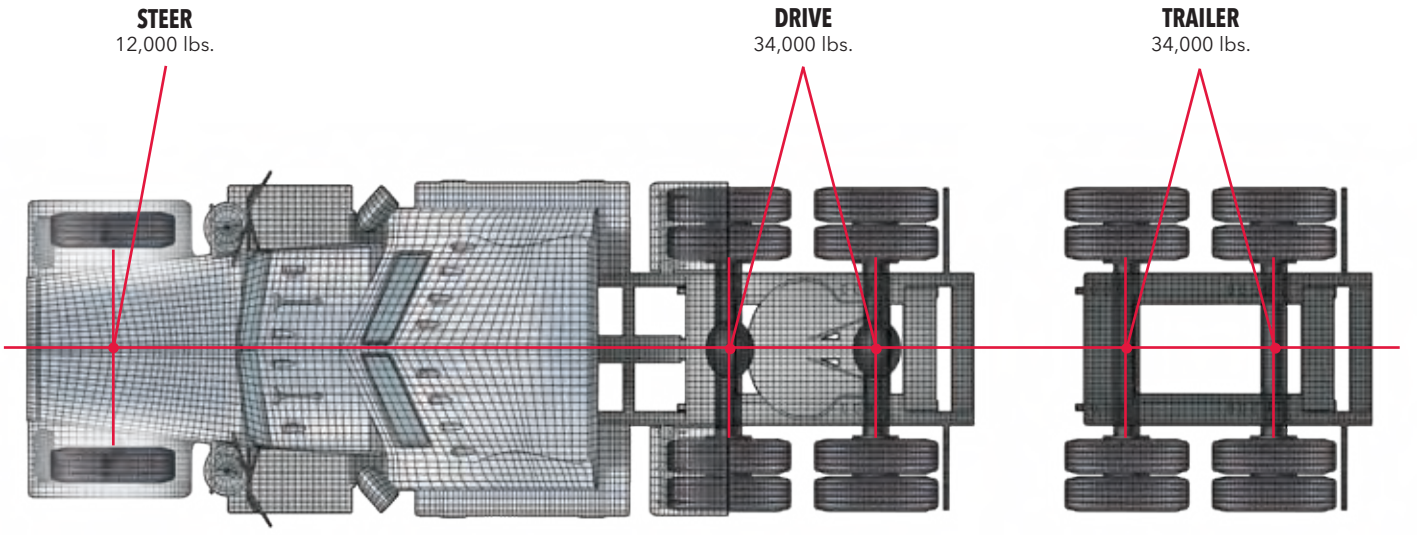
Recommendation for an 80,000-lb. GVW operation vehicle: 6x4 Tractor, 53-foot long box trailer

Recommended Cold Inflation Pressures - requires truck to be parked 3-4 hours

Tire Size	Steer Single	Drive Duals	Trailer Duals
295/75R22.5 (14PR)	110 psi	90 psi	90 psi
285/75R24.5 (14PR)	110 psi	90 psi	90 psi
11R22.5 (14PR)	105 psi	90 psi	90 psi
11R24.5 (14PR)	100 psi	90 psi	90 psi

Steer tires in the first three examples are set at maximum cold inflation. In all examples, the drive and trailer duals are set at 80 psi, plus 10 psi for compensation between airing.

Note: Never bleed excessive air from a "hot" tire.



Actual Vehicle Weight

1. Determine actual tire loads.

- Weigh several tractor/trailer vehicle combinations that best represent actual maximum load conditions for these vehicles while in operation.
- Determine average weights per axle of these weights and divide that value by the number of tires on that axle to determine actual tire loading.

2. Determine minimum cold inflation pressures for each tire per axle.

- Use the actual load per tire (per axle) to determine the cold inflation pressures for the tires by size, ply and type.
- The actual tire load should be compared to the tire load limits on the chart for the particular tire size and ply rating.
- The corresponding recommended cold inflation pressure is indicated for the load in the chart heading.
- If the actual tire loads are heavier than the ply rating of the applied tire, it may be necessary to install a tire with a higher ply rating.

3. Use the determined inflation pressures as minimum inflation values to set up the vehicle for improved handling.

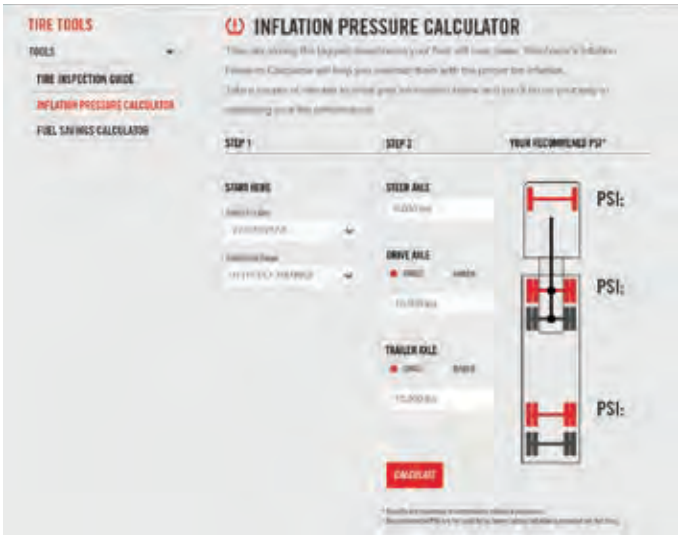
- In all cases, the determined inflation pressures based on actual load conditions should be considered minimum pressures.
- Operational air pressures can be set higher, but under no circumstances should they be set lower.

Air Pressure Calculator

These recommendations, as outlined, should be adopted and used for all Yokohama truck/bus tires when the tires are new and first installed on the vehicle. Correcting inflation pressure after irregular wear has begun will not correct the wear pattern.

The pressures will only be effective in preventing wear if used from the point of the original mounting.

For specific recommendations, please refer to the Yokohama Tire Inflation Pressure Calculator at *http://www.yokohamatruck.com/commercial/tire-tools/inflation-pressure-calculator*



*** Results are minimum recommended inflation pressures. Recommended PSI are for cold tires; never adjust inflation pressures for hot tires.**

LOAD INFLATION CHARTS

LOAD / INFLATION PRESSURE TABLES

Medium Truck Tube Type*		Tire Load Limits (lbs.) at Various Cold Inflation Pressures (psi) (Tire pressure is minimum for the load)										
Tire Size Designation		80	85	90	95	100	105	110	115	120	125	130
12.00R24	S	6980	7280	7580	8050(G)	8310	8570	8820(H)	9100	9370(J)		
	D	6650	6910	7160	7390(G)	7610	7830	8050(H)	8300	8540(J)		

Light Truck Tube Type		Tire Load Limits (lbs.) at Various Cold Inflation Pressures (psi) (Tire pressure is minimum for the load)							
Tire Size Designation		65	70	75	80	85	90	95	100
7.50R16	S	2040(D)	2590	2765	2755(E)	2930	3085	3175(F)	3330(G)
	D	1820(D)	2470	2635	2470(E)	2790	3020	3020(F)	3175(G)

Light Truck Commercial Tubeless		Tire Load Limits (lbs.) at Various Cold Inflation Pressures (psi) (Tire pressure is minimum for the load)										
Tire Size Designation		35	40	45	50	55	60	65	70	75	80	85
7.00R15	S	1350	1480	1610	1710	1830	1940	2040(D)				
	D	1190	1310	1420	1520	1620	1715	1820(D)				
LT235/85R16	S	1700	1870	2030	2205(C)	2335	2485	2620(D)	2765	2905	3040(E)	
	D	1545	1700	1845	2006(C)	2125	2260	2380(D)	2515	2645	2780(E)	
LT215/85R16	S	1495	1640	1785	1940	2050	2180	2335(D)	2430	2550	2680E)	
	D	1360	1490	1625	1765	1865	1985	2150(D)	2210	2320	2470(E)	

Light Truck Commercial-Tubeless-Metric High Capacity		Tire Load Limits (lbs.) at Various Cold Inflation Pressures (psi) (Tire pressure is minimum for the load)										
Tire Size Designation		75	80	85	90	95	100	105	110	115	120	125	130
215/75R17.5 H	S						4065	4225	4385	4545	4705	4805(H)	
	D						3840	3995	4145	4295	4445	4540(H)	
235/75R17.5 H	S							5165	5360	5550	5745	5935	6005(H)
	D							4875	5065	5245	5430	5610	5675(H)

Tubeless		Tire Load Limits (lbs.) at Various Cold Inflation Pressures (psi) (Tire pressure is minimum for the load)										
Tire Size Designation		**80**	**85**	**90**	**95**	**100**	**105**	**110**	**115**	**120**	**125**	**130**
9R22.5	S	3730	3890	4080(E)	4235	4390	4540(F)	4675	4810	4940(G)		
	D	3550	3690	3860(E)	4005	4150	4300(F)	4425	4550	4675(G)		
10R22.5	S	4480	4675(E)	4850	5025	5205(F)	5360	5515	5675(G)			
	D	4230	4410(E)	4585	4760	4940(F)	5075	5210	5355(G)			
11R22.5	S	4990	5220	5510(F)	5730	5950	6175(G)	6320	6465	6610(H)		
	D	4760	4950	5205(F)	5415	5625	5840(G)	5895	5950	6005(H)		
11R24.5	S	5310	5550	5840(F)	6095	6350	6610(G)	6790	6970	7160(H)		
	D	5070	5260	5510(F)	5675	5840	6005(G)	6205	6405	6610(H)		
12R22.5	S	5450	5690	6005(F)	6205	6405	6610(G)	6870	7130	7390(H)		
	D	5190	5390	5675(F)	5785	5895	6005(G)	6265	6525	6780(H)		
225/70R19.5	S	3195(E)	3315	3450	3640(F)	3715	3845	3970(G)				
	D	3000(E)	3115	3245	3415(F)	3490	3615	3750(G)				
245/70R19.5	S	3640	3740	3890	4080(F)	4190	4335	4540(G)	4620	4805(H)		
	D	3415	3515	3655	3860(F)	3940	4075	4300(G)	4345	4540(H)		
265/70R19.5	S	3970	4180	4355	4540	4685	4850	5070(G)				
	D	3750	3930	4095	4300	4405	4415	4675(G)				
285/70R19.5	S				4900	5115	5330	5540	5750	5960	**	
	D				4575	4775	4975	5175	5370	5565	**	
245/75R22.5	S	3860	3975	4140	4300	4455	4610	4675(G)				
	D	3525	3615	3765	3970	4055	4195	4300(G)				
265/75R22.5	S	4300	4440	4620	4805	4975	5150	5205(G)				
	D	3860	4040	4205	4410	4525	4685	4805(G)				
255/70R22.5	S	4190	4370	4550	4675	4895	5065	5205(G)	5400	5510(H)		
	D	3970	4110	4275	4410	4455	4610	4675(G)	4915	5070(H)		
275/70R22.5	S	4705	4940	5170	5400	5625	5850	6070	6290	6510	6725	6940(H)
	D	4335	4550	4765	4975	5185	5390	5595	5800	6000	6195	6395(H)
295/75R22.5 *Excludes 101ZL Spec-2 & 108R Load Range H	S	4940	5155	5370	5510(F)	5780	5980	6175(G)	6370	6610(H)		
	D	4540	4690	4885	5070(F)	5260	5440	5675(G)	5795	6005(H)		
295/75R22.5 *Data only applies to 101ZL Spec-2 & 108R Load Range H	S	4940	5155	5370	5510	5780	5980	6175(G)	6665	7160(H)		
	D	4540	4690	4885	5070	5260	5440	5675(G)	6140	6610(H)		
295/80R22.5	S	5550	5825	6100	6370	6635	6900	7160	7420	7675	*	
	D	4925	5170	5410	5650	5885	6120	6350	6580	6810	*	
315/80R22.5 MY627W	S	7120	7425	7730	8030	8320	8610	8895	9180	9455	9730	10000
	D	5855	6110	6360	6605	6845	7085	7315	7550	7775	8000	8225
315/80R22.5 *Excludes MY627W	S	6175	6415	6670	6940	7190	7440	7610	7920	8270	8690	9090(L)
	D	5675	5840	6070	6395	6545	6770	6940	7210	7610	7910	8270(L)
285/75R24.5	S	4940	5210	5420	5675(F)	5835	6040	6175(G)	6440	6780(H)		
	D	4540	4740	4930	5205(F)	5310	5495	5675(G)	5860	6175(H)		

* 295/80R22.5 104ZR Load Range H - Max Load Single 7830 lb @ 123 PSI, Dual 6945 lb @ 123 PSI. ** 285/70R19.5 RY023 & TY303 Load Range H - Max Load Single 6615@131, Dual 6175@131.

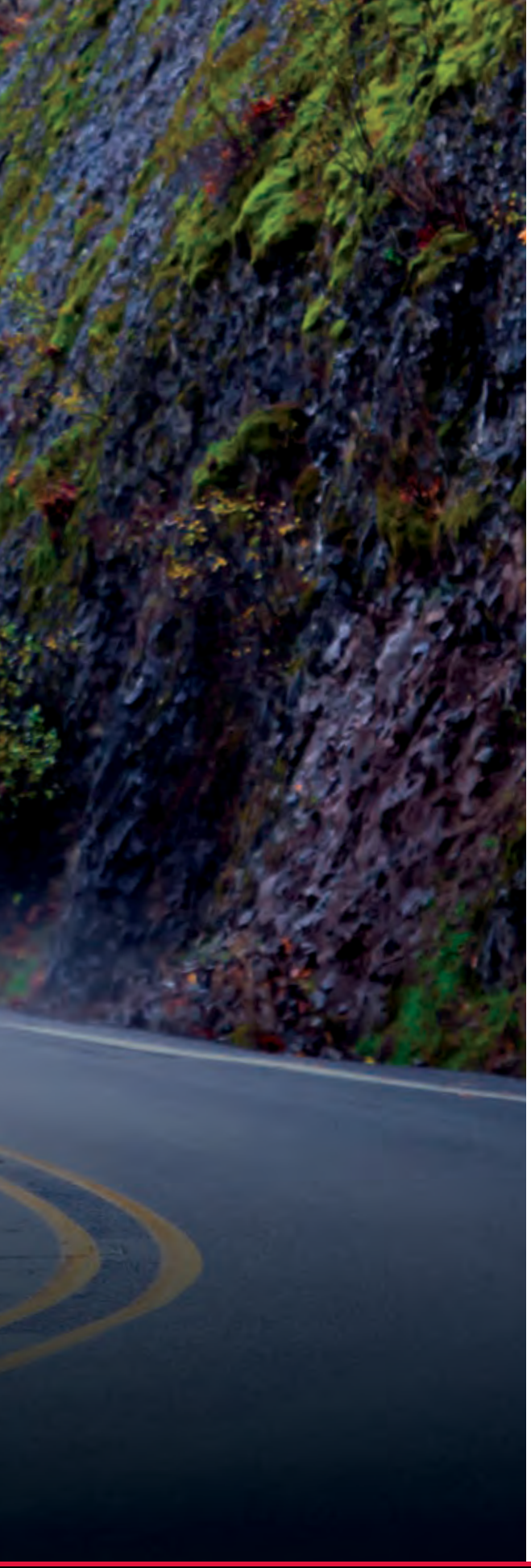
Wide Base, Tubeless		Tire Load Limits (lbs.) at Various Cold Inflation Pressures (psi) (Tire pressure is minimum for the load)								
Tire Size Designation		**80**	**85**	**90**	**95**	**100**	**105**	**110**	**115**	**120**
385/65R22.5	S	6940	7350	7650	8050	8230	8510	8820	9050	9370(J)
425/65R22.5	S	8270	8740	9100	9370	9790	10100	10500(J)	10700	11400(L)
445/65R22.5	S	9090	9480	9870	10200	10600	11000	11400	11700	12300(L)

Ultra Wide Base, Tubeless		Tire Load Limits (lbs.) at Various Cold Inflation Pressures (psi) (Tire pressure is minimum for the load)								
Tire Size Designation		**80**	**85**	**90**	**95**	**100**	**105**	**110**	**115**	**120**
445/50R22.5	S	7310	7680	8030	8390	8740	9090	9370(J)	9780	10200(L)

Tire load limits at various inflation pressures are based upon Tire and Rim Association (TRA) standards and tables, except where there is no specification established by the TRA. In these few cases, the tire design is based upon the European Tire and Rim Technical Organization (ETRTO) whose standards govern these tire designs. To obtain recommendations for tires run in non-standard applications, customers and dealers should contact the Yokohama Technical Service department.

ALIGNMENT ISSUES

Proper alignment is an important factor in lowering operational costs. Ideally, when a truck is traveling in a straight line, all of the axles are parallel—and perpendicular to the vehicle centerline—and all the tires are rolling in a straight line, too. Not only will tires on a properly aligned vehicle last longer, but some manufacturers suggest that there are significant improvements in fuel economy, component wear, and even driver fatigue.



It is universally known that alignment plays as critical a role in vehicle efficiency as does any other factor. Still, between 70 and 80 percent of commercial vehicles on the road today are misaligned! Maintaining proper alignment settings is an arduous task but it's one that will reward your bottom line. Most alignment issues can be attributed to one of four factors:

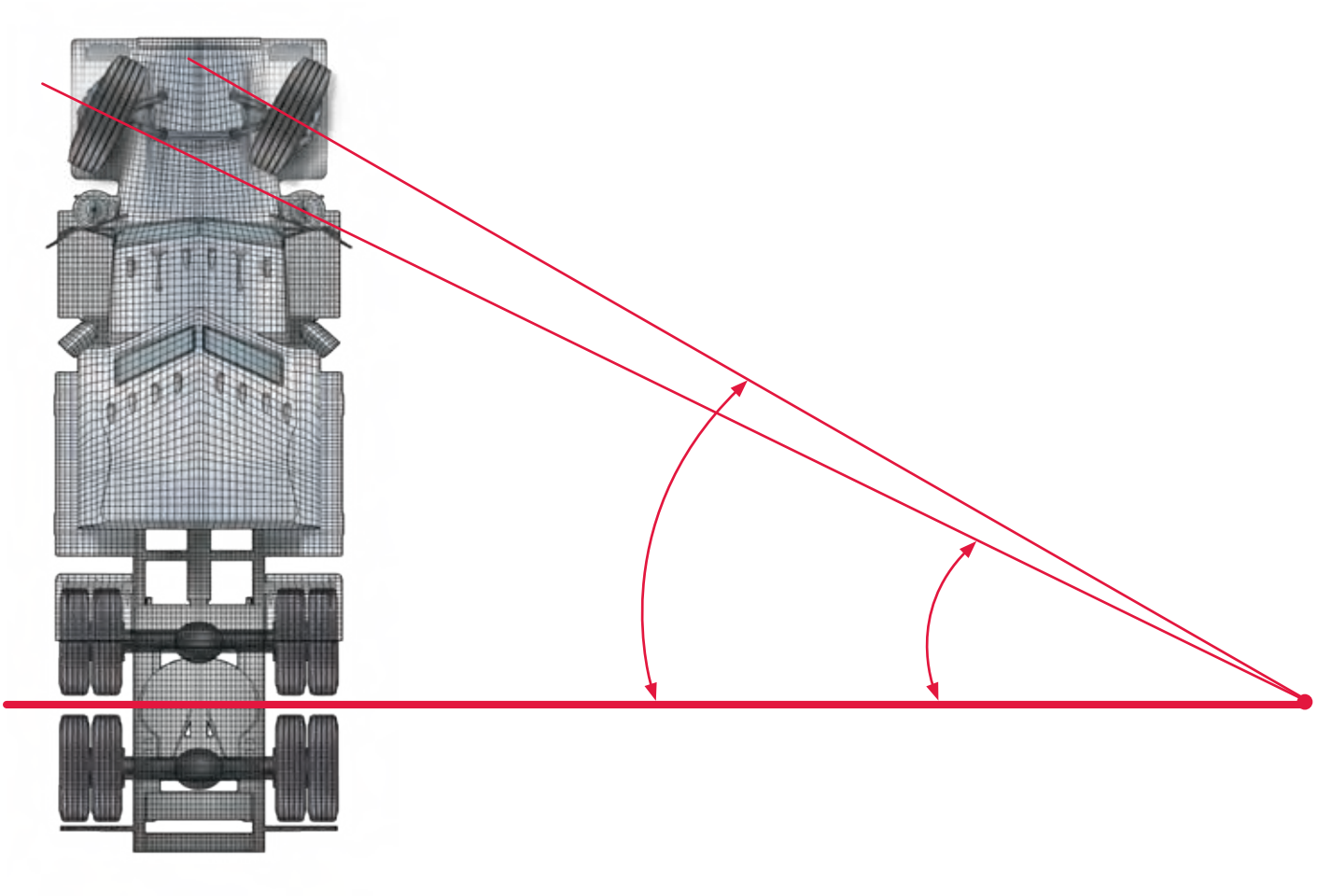
- Improper Ackerman Angle
- Caster/Camber Settings
- Toe Settings
- Drive Axle Alignment

ACKERMAN ANGLE

Ackerman steering geometry is an arrangement of linkages in the steering of a vehicle and is designed to solve the problem of wheels on the inside and outside of a turn needing to trace out circles of a different radius. The intention of Ackerman geometry is to avoid the need for tires to slip sideways when following the path around a curve.

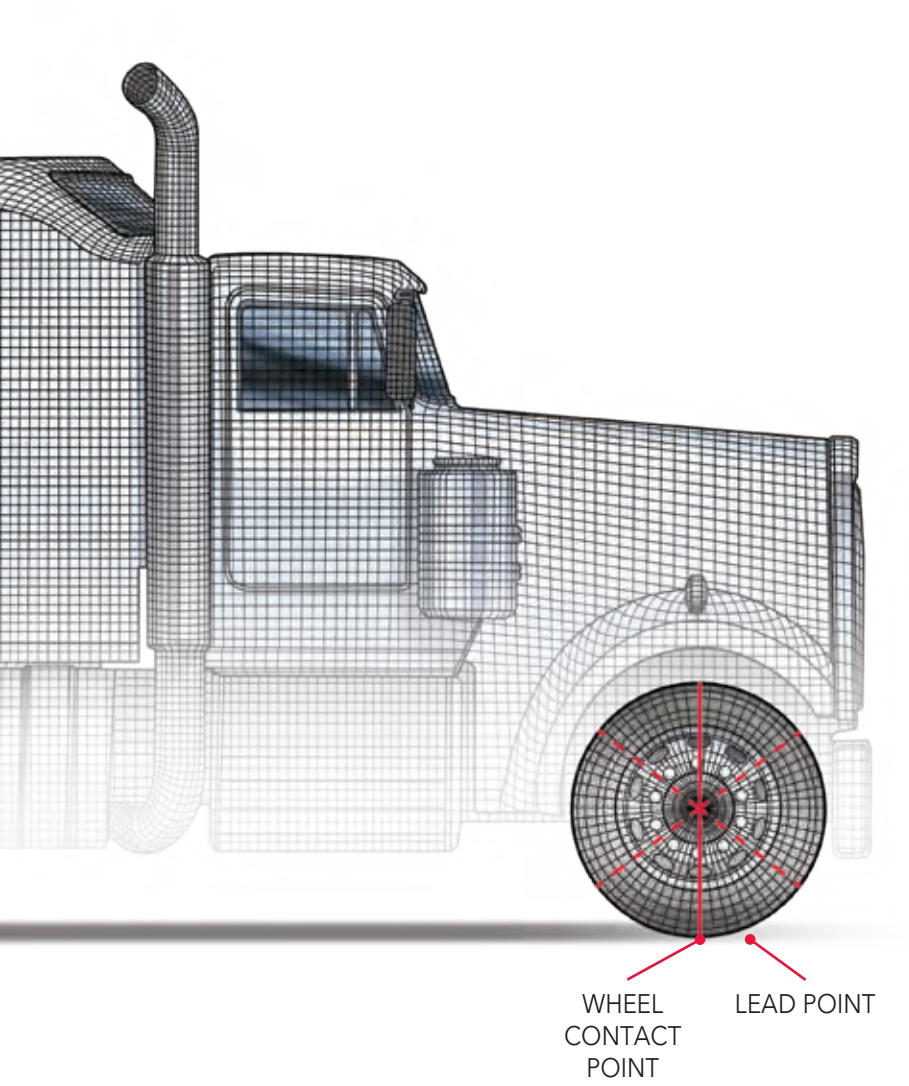
Incorrect Ackerman geometry generally scuffs the tires when driving through corners and might cause tire squeal during sharp turns. The Ackerman Angle should be checked as part of any routine wheel alignment on new vehicles, or when a vehicle's wheelbase is modified or exhibits toe type wear despite a proper toe-in setting.

Ackerman Principle: The inside wheel turns in more sharply than the outside wheel.



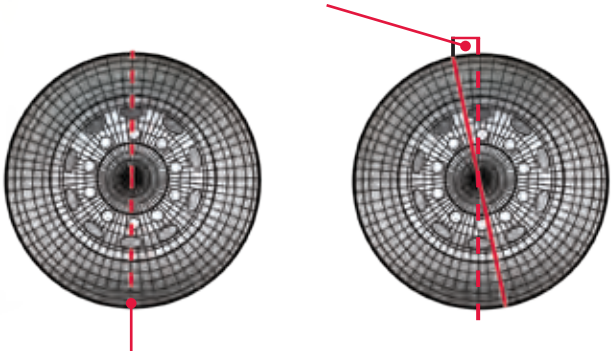
CASTER

Caster is the forward or rearward tilt of the steering's pivot point line in reference to a vertical line. Caster is positive if the line is angled toward the vehicle's rear, and negative if the tilt is forward. Typically, 2 to 5 degrees of positive caster is recommended to make the vehicle more stable at high speeds and improve handling.



ANGLE OF WHEEL PIVOT

+2° to +5° IS RECOMMENDED



Though generally associated with handling, the caster angle can also affect tire wear. Improper caster can cause shimmy, pulling and shoulder wear on the steer tires.

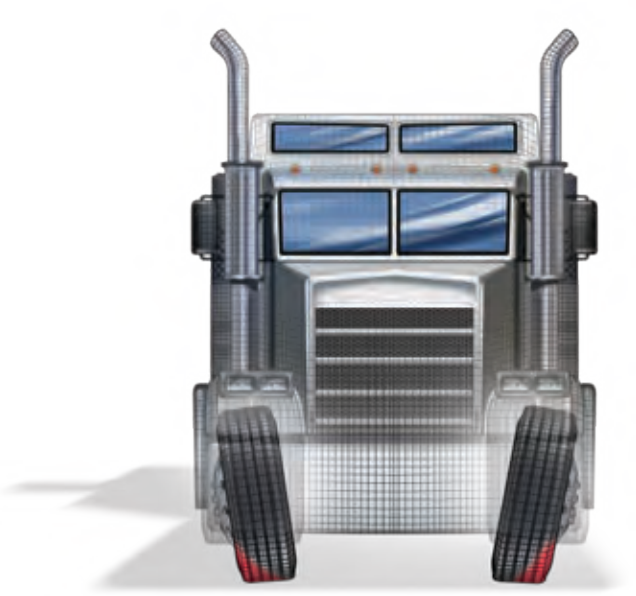
CAMBER

Camber angle is the measure in degrees of the difference between the wheel's vertical alignment perpendicular to the surface. If a wheel is perfectly perpendicular to the surface, its camber would be 0 degrees. Camber is negative when the tops of the tires tilt inward (towards the vehicle) and positive when the tops of the tires tilt away.

On newer trucks, camber wear should not be a major issue. Most trucks leave the factory with zero to slightly positive camber. Excessive positive camber will result in excessive shoulder wear, while negative camber will wear the inner half of your tire.

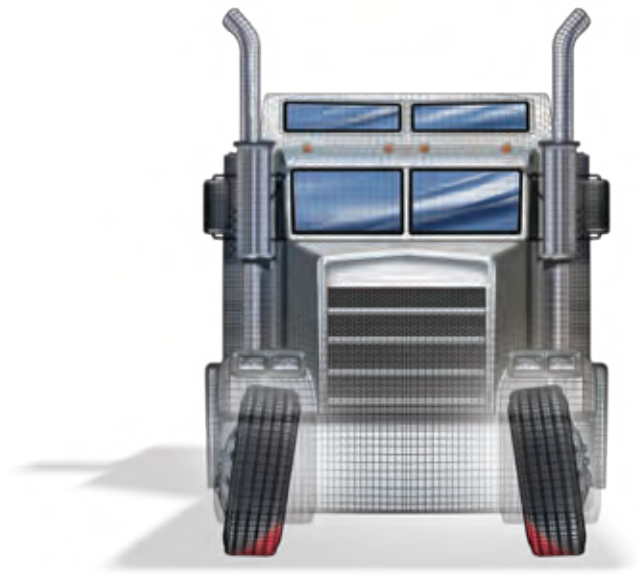
Correcting camber settings requires a bending of the front axle (which voids most manufacturer warranties). If an alignment shop indicated that camber is out of spec, the vehicle's front bearing should be checked.

POSITIVE CAMBER WHEEL IS TILTED OUTWARD AT THE TOP



Result: Smooth, fast wear on the outer half of the steer tires.

NEGATIVE CAMBER WHEEL IS TILTED INWARD AT THE TOP



Result: Smooth, fast wear on the inner half of the steer tires.

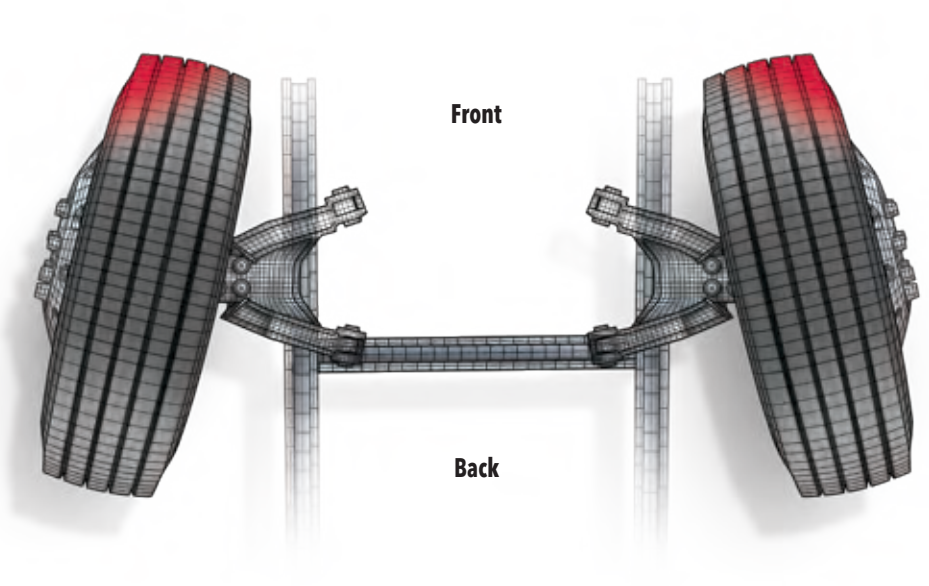
TOE SETTINGS

The toe angle identifies the direction of the tires compared to the centerline of the vehicle. It is expressed in either degrees or fractions-of-an-inch, and an axle is said to have "positive toe-in" when the imaginary lines created by the tires intersect in front of the vehicle and "negative toe-out" if they diverge. When drive tires propel a vehicle with improper toe settings forward, there is an increase in rolling resistance that negatively impacts fuel-efficiency, ride comfort and ultimately shortens the life of your tires.

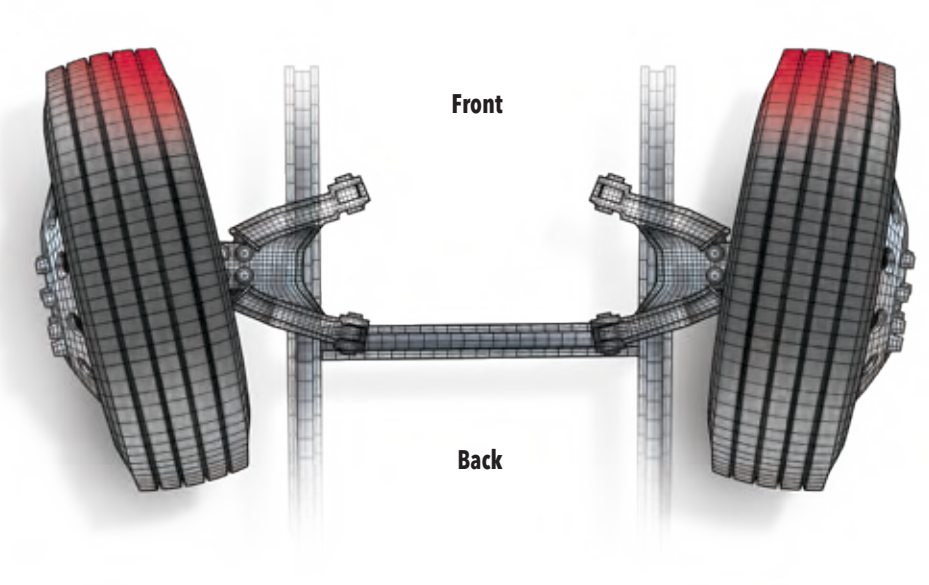
The vehicle's toe is the most critical alignment setting relative to tire wear and toe misalignment is the most common alignment condition affecting commercial vehicles. If the toe setting is just 1/32-inch off of its appropriate setting, each tire on that axle will scrub almost 3-1/2 feet sideways every mile, significantly reducing tire life.

TOE-IN IS THE MOST BASIC FRONT-END SETTING.

Typically toe is set at 1/16" toe-in (+ 1/16").
Measured and set in a static state, toe-in allows the wheels to run straight, when the vehicle is loaded rolling down the highway.



TOE-IN **The distance between the front of the tires is less than the distance between the rear of the tires.**



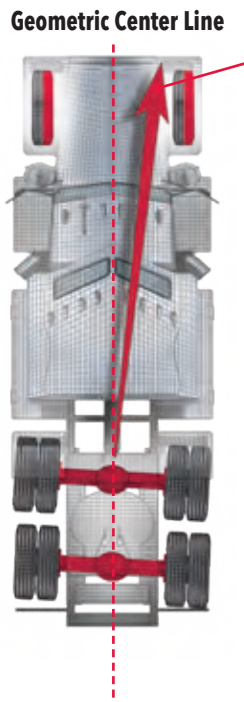
TOE-OUT **The distance between the front of the tires is greater than the distance between the rear of the tires.**

MISALIGNED DRIVE AXLES

Generally when you think about the benefits of a properly aligned vehicle, you think about lowering operating costs via longer tire life – but that's only the beginning. Not only will proper alignment extend tire life, but it has also shown to improve fuel economy, component wear and even driver fatigue.

Vehicle alignment isn't a matter of just aligning the steer axle. It means aligning the drive and trailing axles, too. In a perfect world, trucks would travel in perfectly straight lines from one location to another. If this were the case, as the truck went down the road the axles would remain parallel, perfectly perpendicular to the vehicle centerline and worries about tire life would be a thing of the past. Unfortunately driving forces, mechanical complications and other issues can cause axles to fall out of place, negatively impacting the wear of the tire, and making drive axle misalignment the second most common alignment-related issue for commercial vehicles.

STEER TIRE WEAR CAUSED BY MISALIGNED DRIVE AXLES



RIGHT THRUST

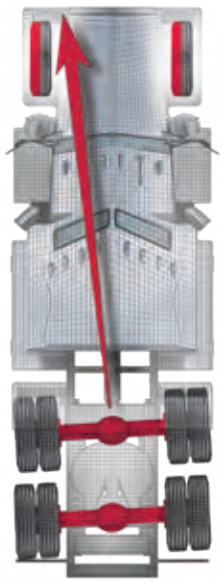
Cause: Occurs if the vehicle's drive axles are pushing the truck to the right.

Result: Wear on the right steer tire will mimic toe-in wear while the left side will exhibit the feathering on the right shoulder associated with toe-out alignment.

LEFT THRUST

Cause: Occurs if the vehicle's drive axles are pushing the truck to the left.

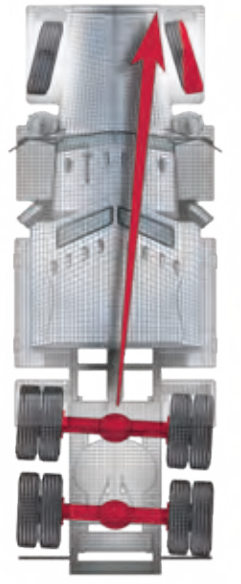
Result: Wear on the left steer tire will mimic toe-out wear while the right side will exhibit toe-in wear.



RIGHT THRUST, TOE-IN

Cause: There are also combinations of both toe and axle misalignment which will put stress on just one steer tire.

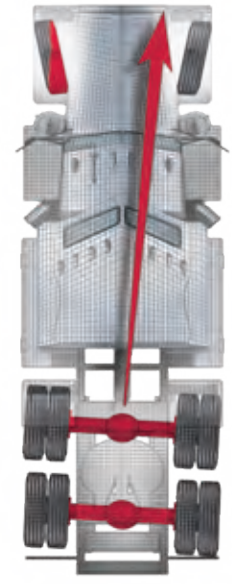
Result: Here, the toe-in setting combined with right thrust misalignment causes the left front to wear normally while the right front feel like toe-in.



RIGHT THRUST, TOE-OUT

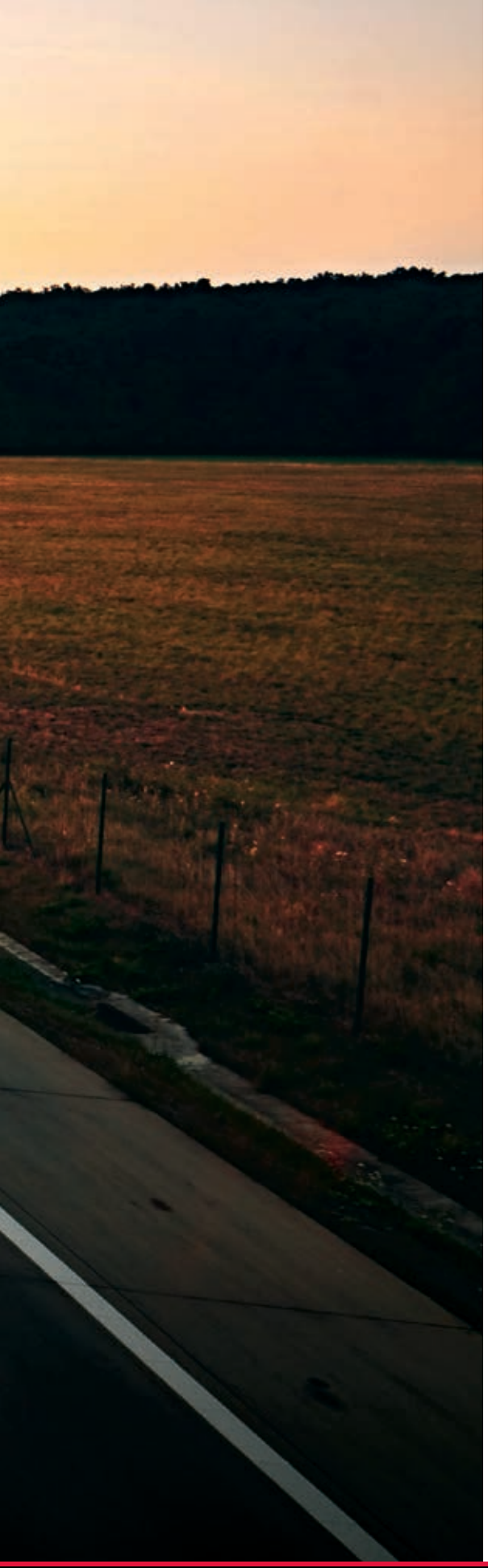
Cause: On the other hand, toe-out combined with right thrust will cause the front right to wear normally but places stress on the left.

Result: Standard wear on the right side with wear resembling toe-out on the left side.



PRODUCT LINEUP

At Yokohama, we understand that each of our customers presents their own unique set of business challenges and needs products tailored specifically to address their needs. Our engineers are constantly pushing the envelope in an effort to deliver the perfect combinations of specialized compounding, innovative tread features and reliable casing construction. So whether you're hauling through a mountain pass or traversing a debris ridden work site, you can feel confident that Yokohama offers a wide variety of high quality commercial products to fit each of your application specific needs.



PRODUCT LINEUP

TRUCK STEEL RADIAL

All-Position/Steer Tires
43 / **101ZL Spec-2**
44 / **RY617**
45 / **108R**
46 / **104ZR/104ZR Spec-2**
47 / **RY023**
48 / **MY507A**
49 / **RY253**
50 / **MY507**
51 / **MY627W Spec-2**

Drive Tires
52 / **709ZL**
53 / **703ZL**
54 / **TY577 MC²**
55 / **TY517/TY517 MC²**
56 / **TY527**
57 / **TY303**
58 / **TY287**
59 / **SY767**
60 / **LY053**
61 / **BluEarth 709L UWB**
62 / **902L UWB**

Trailer Tires
63 / **BluEarth 109L**
64 / **RY587**
65 / **RY103**
66 / **BluEarth 109L UWB**
67 / **RY407 UWB**

LIGHT TRUCK COMMERCIAL

Highway All-Position
68 / **TY213A**
69 / **RY103A**
70 / **RY215**

Highway Traction
71 / **TY303A/TY303LT**
72 / **Y742S**
73 / **Y735B**
74 / **TY025**

101ZL Spec-2™

TRUCK STEEL RADIAL

APPLICATION

LONG-HAUL, ALL-POSITION/STEER

SmartWay Verified | .environment™ | 7 YEAR UNLIMITED RETREADS CASING WARRANTY

The 101ZL Spec-2 represents our next generation of long-haul steer tire. Built with an advanced tread compound and improved casing design to enable longer treadwear, maximum durability and more retreads.

FEATURES AND BENEFITS

An Advanced Casing Profile that supports a wider belt package and delivers a more uniform footprint.

Pliable High-Elongation Tread Compound helps withstand the wear and tear caused by the lateral forces unique to steer tire positions.

Contact Pressure Equalizer Sipes optimize rib contact pressure to combat uneven wear and improve wet handling and braking.

Stress Equalizer Ribs ensure even shoulder edge contact pressure to the road and reduce shoulder step down wear.

101ZL Spec-2 replaces: Michelin X Line Energy Z • Goodyear Endurance LHS • Bridgestone R283S Ecopia

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
295/75R22.5	71125	120171125	14G	117.7	9.00	8.25	11.5	40.0	18	12.5	18.7	522	6175@110	5675@110	75
295/75R22.5	71121	120171121	16H	119.0	9.00	8.25	11.5	40.0	18	12.5	18.7	522	7160@120	6610@120	75
11R22.5	71126	120171126	14G	119.9	8.25	7.50	11.0	41.3	18	12.1	19.3	505	6175@105	5840@105	75
11R22.5	71122	120171122	16H	120.6	8.25	7.50	11.0	41.3	18	12.1	19.3	505	6610@120	6005@120	75
285/75R24.5	71128	120171128	14G	122.4	8.25	7.50-9.00	11.1	41.3	18	12.1	19.3	505	6175@110	5675@110	75
11R24.5	71127	120171127	14G	129.4	8.25	7.50	11.1	43.3	18	12.3	20.2	481	6610@105	6005@105	75
11R24.5	71124	120171124	16H	128.1	8.25	7.50	11.1	43.3	18	12.3	20.2	481	7160@120	6610@120	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

RY617™

TRUCK STEEL RADIAL

APPLICATION

LONG-HAUL, ALL-POSITION/STEER

SmartWay® Verified | STEM-2 StrainEnergy Minimization | 6 YEAR THREE RETREADS CASING WARRANTY

The RY617 has all the traditional Yokohama qualities that savvy buyers have come to rely upon, along with the latest features that deliver long, even wear, enhanced wet traction and durability.

FEATURES AND BENEFITS

Five-Rib Tread Designs equipped with 6,000 stress control sipes provide excellent water evacuation and uniform wear.

Variable Contour Groove Wall provides added rib stiffness that further combats uneven treadwear.

Stress Control Groove reduces contact pressure at the tread edge, providing increased resistance to shoulder step down wear and promoting long even wear, particularly at the shoulder area.

Stone Ejectors deep inside the tread grooves keep stones from embedding into the tire to minimize drill damage for increased tread durability and extended casing life.

RY617 replaces: Michelin X Multi Energy Z • Goodyear Marathon LHS • Bridgestone R283A Ecopia

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
295/75R22.5	61701	120161701	14G	108.9	9.00	8.25	10.9	40.1	18	12.0	18.7	520	6175@110	5675@110	75
295/75R22.5	61721	120161721	16H	111.1	9.00	8.25	10.9	40.1	18	12.0	18.7	520	6610@120	6005@120	75
11R22.5	61702	120161702	14G	114.1	8.25	7.50	11.1	41.3	18	12.0	19.5	502	6175@105	5840@105	75
11R22.5	61722	120161722	16H	116.6	8.25	7.50	11.1	41.3	18	12.0	19.5	502	6610@120	6005@120	75
285/75R24.5	61703	120161703	14G	112.1	8.25	7.50-9.00	10.8	41.3	18	11.8	19.8	499	6175@110	5675@110	75
11R24.5	61704	120161704	14G	122.3	8.25	7.50	11.1	43.3	18	12.0	20.2	481	6610@105	6005@105	75
11R24.5	61724	120161724	16H	124.9	8.25	7.50	11.1	43.3	18	12.0	20.2	481	7160@120	6610@120	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

108R™

TRUCK STEEL RADIAL

APPLICATION

REGIONAL-HAUL, ALL-POSITION/STEER

SmartWay® Verified | STEM-2 StrainEnergy Minimization | 6 YEAR UNLIMITED RETREADS CASING WARRANTY

The regional all-position/steer tire tested and proven to be a top performer in its class.

FEATURES AND BENEFITS

Specially Designed Shoulder optimizes shape to reduce shoulder ripping and tearing in abrasive applications, effectively lowering your cost per mile.

Premium Casing, our most resilient ever, including a 16-ply rating offers increased load capacity so you can carry more freight on every trip.

Sidewall Abrasion Guard reduces damage to the sidewall caused by accidental curbing and scrubbing in urban applications.

Rock Shield Platforms keep stones and debris out of the grooves to protect the casing for longer service life.

108R replaces: Michelin X Multi Energy Z • Goodyear Fuel Max RSA • Bridgestone R268 Ecopia

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
295/75R22.5	10825	120110825	14G	115.1	9.00	8.25	11.6	40.3	22	12.6	18.9	517	6175@110	5675@110	75
295/75R22.5	10831	120110831	16H	116.6	9.00	8.25	11.6	40.3	22	12.6	18.9	517	7160@120	6610@120	75
11R22.5	10826	120110826	14G	118.3	8.25	7.50	10.9	41.6	22	12.0	19.4	502	6175@105	5840@105	75
11R22.5	10832	120110832	16H	118.4	8.25	7.50	10.9	41.6	22	12.0	19.4	502	6610@120	6005@120	75
285/75R24.5	10827	120110827	14G	119.2	8.25	7.50-9.00	11.1	41.5	22	12.0	19.5	501	6175@110	5675@110	75
11R24.5	10828	120110828	14G	121.7	8.25	7.50	11.0	43.7	22	12.1	20.4	478	6610@105	6005@105	75
11R24.5	10834	120110834	16H	121.7	8.25	7.50	11.0	43.7	22	12.1	20.4	478	7160@120	6610@120	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

104ZR™/104ZR Spec-2™

TRUCK STEEL RADIAL

APPLICATION

LONG- AND REGIONAL-HAUL, ALL-POSITION

SmartWay Verified | .environment™ | 7 YEAR UNLIMITED RETREADS CASING WARRANTY

A true workhorse designed to deliver longer treadwear, low rolling resistance and enhanced traction.

FEATURES AND BENEFITS

Deep Original Tread Depth offers an extremely long treadlife to reduce downtime.

Serpentine Groove Pattern is built specifically to reduce premature shoulder step-down and irregular wear, further preserving overall treadlife.

Block-Shaped Stone Ejectors prevent stones from traveling to the bottom of the grooves, reducing damage to the casing by 25% to ensure greater durability and retreadability.

Ultra-Wide Top Steel Belt increases rigidity across the entire tread surface for enhanced durability and to prevent casing damage.

104ZR Spec-2 315/80R22.5 is the ideal tire for coach and regional/long-haul tour bus applications.

*SmartWay Verified only applies to this size.

104ZR/104ZR Spec-2 replaces: Michelin XZE-2, X Multi Z 19.5 • Goodyear Endurance RSA, G670 MRT Bridgestone R268 Ecopia, R238

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
104ZR															
225/70R19.5	74730	120174730	14G	66.9	6.75	6.00	8.9	31.8	17	9.6	14.9	655	3970@110	3750@110	75
245/70R19.5	74739	120174739	14G	78.7	7.50	6.75	9.7	33.4	18	10.4	15.6	625	4540@110	4300@110	75
245/70R19.5	74741	120174741	16H	78.7	7.50	6.75	9.7	33.4	18	10.4	15.6	625	4940@120	4675@120	75
265/70R19.5	74742	120174742	14G	88.0	7.50	8.25	10.3	34.3	18	11.1	15.9	610	5070@110	4675@110	75
285/70R19.5	74743	120174743	16H	93.9	8.25	7.50-9.00	11.2	35.2	18	12.1	16.3	596	6615@131	6175@131	75
9R22.5	74731	120174731	12F	86.8	6.75	6.00-7.50	9.1	38.1	17	9.9	17.9	546	4540@105	4300@105	75
10R22.5	74732	120174732	14G	97.4	7.50	6.75-8.25	10.1	40.1	18	11.1	18.7	520	5675@115	5355@115	75
12R22.5	74733	120174733	16H	139.7	9.00	8.25	11.8	42.7	20	13.0	19.8	490	7390@120	6780@120	75
104ZR SPEC-2															
11R22.5	74737	120174737	16H	123.7	8.25	7.50	10.9	41.6	20	12.0	19.4	502	6610@120	6005@120	75
295/80R22.5	74736	120174736	16H	136.5	9.00	8.25	11.9	41.6	20	13.0	19.3	502	7830@123	6945@123	75
315/80R22.5	74740	120174740	20L	149.1	9.00	9.75	12.4	42.5	21	13.6	19.6	493	9090@130	8270@130	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

RY023™

TRUCK STEEL RADIAL

APPLICATION

REGIONAL HIGHWAY, ALL-POSITION

SmartWay Verified | STEM-2 StrainEnergy Minimization | 6 YEAR THREE RETREADS CASING WARRANTY

Premium performance and durable construction for the most demanding applications.

FEATURES AND BENEFITS

Sidewall Abrasion Guard reduces damage to the sidewall caused by curbing and other accidental scrubbing.

Five-Rib Tread Pattern with semi-rounded shoulders reduces the potential for shoulder ripping and tearing while enhancing lateral stability, water dispersion and traction.

Rock-Ejector Platforms keep stones and debris out of the grooves to help thwart irregular wear.

Hexagonal Bead Base allows for easier mounting and even pressure along the entire circumference of the wheel for smooth rolling as well as increased driver comfort.

RY023 replaces: Michelin XZE • Goodyear Marathon RSS • Bridgestone R250 ED

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
215/75R17.5*	02385	120102385	16H	62.6	6.00	6.75	8.5	30.6	16	9.1	14.2	674	4805@125	4540@125	75
235/75R17.5*	02386	120102386	16H	71.2	6.75	7.50	9.4	31.7	16	10.0	14.6	661	6005@125	5675@125	75
255/70R22.5	02387	120102387	16H	91.3	7.50	8.25	10.0	36.7	18	10.8	17.2	568	5510@120	5070@120	75
295/75R22.5	02396	120102396	14G	114.2	9.00	8.25	11.1	40.2	19	12.1	18.7	520	6175@110	5675@100	75
295/75R22.5	02391	120102391	16H	114.8	9.00	8.25	11.1	40.2	19	12.1	18.7	520	6610@120	6005@120	75
11R22.5	02395	120102395	14G	116.6	8.25	7.50	10.8	41.4	19	12.0	19.3	504	6175@105	5840@105	75
11R22.5	02392	120102392	16H	117.6	8.25	7.50	10.8	41.4	19	12.0	19.3	504	6610@120	6005@120	75
285/75R24.5	02390	120102390	14G	117.0	8.25	7.50-9.00	10.9	41.4	19	11.8	19.2	503	6175@110	5675@110	75
11R24.5	02393	120102393	14G	124.5	8.25	7.50	10.7	43.4	19	11.9	20.0	483	6610@105	6005@105	75
11R24.5	02394	120102394	16H	125.4	8.25	7.50	10.7	43.4	19	11.9	20.0	483	7160@120	6610@120	75

*Trailer Use Only

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

MY507A™

TRUCK STEEL RADIAL

APPLICATION

WIDE-BASE, ON/OFF-HIGHWAY, ALL-POSITION

STEM-2 StrainEnergy Minimization

6 YEAR THREE RETREADS CASING WARRANTY

The MY507A is designed to provide outstanding durability and tire life for wide base and on- and off-highway applications.

FEATURES AND BENEFITS

High Strength Belt Construction enhances durability in off-highway applications.

Stone Rejection Blocks in tread grooves improve durability and retreadability.

STEM-2 Casing Profile promotes internal strain reduction and longer casing life.

Special Anti-Chip Tread Compound strengthens on- and off-highway durability.

Additional Steel Reinforcement in the bead area gives added protection against bead damage.

Funnel-Shaped Grooves provide improved traction in off-highway applications.

MY507A replaces: Michelin XZY 3 • Goodyear G296 MSA • Bridgestone M854

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
385/65R22.5	50751	120150751	18J	178.3	11.75	12.25	14.9	42.6	23	16.0	19.7	492	9370@120	--	75
425/65R22.5	50752	120150752	20L	203.0	13.00	11.75-12.25	16.5	44.6	23	17.9	20.5	470	11400@120	--	65
445/65R22.5	50753	120150753	20L	220.3	13.00	14.00	17.7	45.7	24	18.9	21.0	459	12300@120	--	65

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

RY253™

TRUCK STEEL RADIAL

APPLICATION

ON-HIGHWAY, ALL-POSITION

STEM StrainEnergy Minimization

6 YEAR THREE RETREADS CASING WARRANTY

The low-profile RY253 is a wide base, performer offering lower initial cost, greater payload potential, better fuel economy and easier maintenance.

FEATURES AND BENEFITS

Heat-Resistant Tread Compound minimizes heat generation.

Six-Rib Tread Design provides superior traction on wet roads, a smooth ride and even wear.

Wide, Rigid Shoulder Ribs help prevent sidewall cutting and scuffing.

Special Risers in the groove corners and Stone-Rejection Blocks reduce stone penetration for improved casing life.

Specially Reinforced Bead Construction increases bead area durability for high-load operations and retreadability.

RY253 replaces: Michelin XFE • Bridgestone R244

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
385/65R22.5	25301	120125301	18J	171.4	11.75	12.25	14.8	42.3	19	15.7	19.6	495	9370@120	--	75
425/65R22.5	25304	120125304	20L	198.3	13.00	11.75-12.25	16.5	44.3	19	17.6	20.5	473	11400@120	--	65
445/65R22.5	25302	120125302	20L	220.2	13.00	14.00	17.7	45.7	20	18.9	21.0	459	12300@120	--	65

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

MY507™

TRUCK STEEL RADIAL

APPLICATION

ON/OFF-HIGHWAY, ALL-POSITION

STEM-2 StrainEnergy Minimization

6 YEAR THREE RETREADS CASING WARRANTY

MY507's sturdy, wide tread construction and thick undertread is tough enough for off-road applications while offering extended treadlife on-road.

FEATURES AND BENEFITS

Ideal for on/off-highway logging, cement and construction operations.

Four Rugged, Contra-Diagonal Ribs with aggressive Buttressed Shoulders give full directional and steering stability, traction and braking.

Wide Block Type Rib Pattern increases block rigidity, provides outstanding wear resistance and delivers excellent traction.

Funnel-Shaped Grooves prevent stone retention, protecting the belt package and extending casing integrity.

MY507 replaces: Michelin X Works Z, XZY 3 • Goodyear G751 MSA • Bridgestone M853

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
255/70R22.5	50705	120150705	16H	94.1	7.50	8.25	10.0	36.8	20	10.8	17.2	567	5510@120	5070@120	65
275/70R22.5	50710	120150710	16H	117.5	8.25	7.50	10.9	38.1	22	10.8	17.7	548	6940@130	6395@130	65
11R22.5	50702	120150702	16H	129.3	8.25	7.50	10.8	42.1	26	12.0	19.7	495	6610@120	6005@120	65
11R24.5	50704	120150704	16H	138.0	8.25	7.50	10.9	44.1	26	12.1	20.7	472	7160@120	6610@120	65

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

MY627W Spec-2™

TRUCK STEEL RADIAL

APPLICATION

WASTE/SANITATION, ALL-POSITION

STEM-2 StrainEnergy Minimization

6 YEAR UNLIMITED RETREADS CASING WARRANTY

With its extra-rugged casing, wide tread area and specially-engineered compound, the MY627W Spec-2 is one of the most dependable all-position tires available for residential waste/sanitation vehicles.

FEATURES AND BENEFITS

Staggered Tread Pattern resists uneven wear, promoting long tread life and provides excellent water evacuation, improving wet weather traction.

A Reinforced Bead uses a Double Nylon Chafer to efficiently dissipate heat from critical areas, providing unparalleled protection during severe stop-and-go operations.

Durable Inner Liner enhances air retention and retreadability by preventing air from migrating to the casing walls.

Sturdy Sidewall Armor protects against damage from curbing and prolongs the life of the casing for extended retreadability.

Wide Outside Rib and Extra-Wide Serpentine Grooves resist tears and increase durability, while significantly improving traction in wet or dry conditions.

MY627W Spec-2 replaces: Michelin XZUS 2 • Goodyear Endurance WHA, G289 WHA • Bridgestone M860A

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
315/80R22.5	62702	120162702	20L	157.6	9.00	9.75	12.5	42.8	23	13.9	19.7	491	10000@130	8255@130	65

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

709ZL™

TRUCK STEEL RADIAL

APPLICATION

LONG-HAUL, DRIVE

SmartWay Verified | .environment™ | 7 YEAR UNLIMITED RETREADS CASING WARRANTY

A premium drive tire that's as uncompromising as it is reliable. With its specialized compound and unique tread elements, the 709ZL delivers the optimum balance of fuel economy, treadwear and traction.

FEATURES AND BENEFITS

Zenvironment Compound evenly disperses molecular elements, resulting in a longer lasting tread and lower rolling resistance for better fuel economy.

26/32" Tread Depth minimizes tread block movement for stability on the road and maximum fuel efficiency.

Tie-Bar Connectors increase block rigidity and reduce heel-toe wear for greater stability.

Z-blocks create multiple biting edges, providing aggressive all-season traction without sacrificing treadwear.

709ZL replaces: Michelin X Line Energy D • Goodyear FM G505D LHD • Bridgestone M710 Ecopia

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
295/75R22.5	70901	120170901	14G	127.2	9.00	8.25	11.6	40.6	26	12.6	18.9	514	6175@110	5675@110	75
11R22.5	70902	120170902	14G	130.2	8.25	7.50	11.0	41.9	26	12.1	19.5	497	6175@105	5840@105	75
285/75R24.5	70903	120170903	14G	129.4	8.25	7.50-9.00	11.1	41.8	26	12.0	19.6	498	6175@110	5675@110	75
11R24.5	70904	120170904	14G	137.0	8.25	7.50	11.0	43.9	26	12.1	20.5	473	6610@105	6005@105	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

703ZL™

TRUCK STEEL RADIAL

APPLICATION

LONG-HAUL, DRIVE

SmartWay Verified | .environment™ | 7 YEAR UNLIMITED RETREADS CASING WARRANTY

703ZL was developed with a compound, tread design and casing construction that offer longer treadwear and the lowest rolling resistance in the category.

FEATURES AND BENEFITS

The Deepest Original Tread Depth of any line haul drive tire in the industry (32/32") for extremely long original treadwear.

Zenvironment Compound reduces heat build-up, improves treadwear and provides the lowest rolling resistance in its category.

Funnel-Shaped Grooves are wider at the top for enhanced traction and narrow at the base to prevent stone penetration for extended casing life.

703ZL replaces: Michelin XDA5+ • Goodyear Endurance LHD • Bridgestone M726 ELA

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
295/75R22.5	77101	120177101	14G	130.0	9.00	8.25	11.4	40.9	32	14.0	19.1	510	6175@110	5675@110	75
295/75R22.5	77121	120177121	16H	129.9	9.00	8.25	11.4	40.9	32	12.5	19.1	510	6610@120	6005@120	75
11R22.5	77102	120177102	14G	134.0	8.25	7.50	11.0	42.3	32	12.1	19.7	494	6175@105	5840@105	75
11R22.5	77122	120177122	16H	139.6	8.25	7.50	11.0	42.3	32	12.1	19.7	494	6610@120	6005@120	75
285/75R24.5	77103	120177103	14G	134.0	8.25	7.50-9.00	11.1	42.2	32	12.0	19.8	493	6175@110	5675@110	75
11R24.5	77104	120177104	14G	142.0	8.25	7.50	11.0	44.3	32	12.2	20.7	471	6610@105	6005@105	75
11R24.5	77124	120177124	16H	140.4	8.25	7.50	11.0	44.3	32	12.2	20.7	471	7160@120	6610@120	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

TY577 MC²™

TRUCK STEEL RADIAL

APPLICATION

ON-HIGHWAY, LONG-HAUL, DRIVE

SmartWay Verified | MC² Maximized Conservation Concept | STEM-2 StrainEnergy Minimization | 6 YEAR THREE RETREADS CASING WARRANTY

MC² technology meets the ultra-deep tread depth. This long-haul tire has some of the best fuel efficiency and longest wear in the industry.

FEATURES AND BENEFITS

Advanced Tread Compound reduces heat buildup, resulting in longer wear and maximized fuel-efficiency.

30/32" Original Tread Depth and a Closed Shoulder Rib are engineered to create a large, even footprint, producing long, even wear.

Stress Control Groove redistributes more load to the outside rib, greatly reducing the chance of shoulder step-down wear.

Contoured Bead Shape optimizes tire-to-rim alignment, for highly uniform rolling and reduced friction, resulting in long, even wear and a smooth ride.

Funnel-Shaped Groove reduces stone retention and increases block rigidity for enhanced traction and wear rate.

TY577 MC² replaces: Michelin XDN2 • Goodyear Endurance LHD • Bridgestone M726

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
295/75R22.5	57725	120157725	14G	123.3	9.00	8.25	11.6	40.9	30	12.6	19.1	513	6175@110	5675@110	75
295/75R22.5	57731	120157731	16H	123.3	9.00	8.25	11.6	40.9	30	12.6	19.1	513	6610@120	6005@120	75
11R22.5	57726	120157726	14G	131.1	8.25	7.50	11.0	42.3	30	12.1	19.6	495	6175@105	5840@105	75
11R22.5	57732	120157732	16H	131.1	8.25	7.50	11.0	42.3	30	12.1	19.6	495	6610@120	6005@120	75
285/75R24.5	57727	120157727	14G	129.5	8.25	7.50-9.00	10.9	42.2	30	11.9	19.6	497	6175@110	5675@110	75
11R24.5	57728	120157728	14G	138.2	8.25	7.50	11.1	44.3	30	12.2	20.7	472	6610@105	6005@105	75
11R24.5	57734	120157734	16H	138.2	8.25	7.50	11.1	44.3	30	12.2	20.7	472	7160@120	6610@120	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

TY517™/TY517 MC²™

TRUCK STEEL RADIAL

APPLICATION

LONG- AND REGIONAL-HAUL, DRIVE

SmartWay Verified | MC² Maximized Conservation Concept | STEM-2 StrainEnergy Minimization | 6 YEAR THREE RETREADS CASING WARRANTY

By combining the maximum drive axle power of our popular TY517 with our fuel-saving MC² technology, we've engineered a long-haul tire that really drives your profits.

FEATURES AND BENEFITS

28/32" Original Tread Depth delivers long wear and road-grabbing power for the long haul without any compromises in traction.

Extra-Wide Circumferential Grooves are self-cleaning and V-shaped for improved water dispersion, lateral stability and long, even wear.

Advanced Tread Compound Technology reduces heat, provides longer wear and reduces rolling resistance.

Tapered Center Groove promotes stone ejection and reduces tread-stone damage.

Solid Outer Shoulder block contributes to flat, even wear.

TY517/TY517 MC² replaces: Michelin XDA-E • Goodyear Marathon LHD • Bridgestone M760 Ecopia

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
TY517															
295/75R22.5	51721	120151721	16H	118.2	9.00	8.25	11.4	40.7	28	12.4	19.1	512	6610@120	6005@120	75
11R22.5	51722	120151722	16H	124.8	8.25	7.50	11.1	42.0	28	12.0	19.6	497	6610@120	6005@120	75
11R24.5	51724	120151724	16H	133.4	8.25	7.50	11.1	44.0	28	12.2	20.6	474	7160@120	6610@120	75
TY517 MC²															
295/75R22.5	51725	120151725	14G	120.5	9.00	8.25	11.6	40.7	28	12.6	19.0	512	6175@110	5675@110	75
11R22.5	51726	120151726	14G	127.8	8.25	7.50	10.9	42.1	28	12.0	19.7	495	6175@105	5840@105	75
285/75R24.5	51727	120151727	14G	123.1	8.25	7.50-9.00	10.9	42.0	28	11.9	19.7	495	6175@110	5675@110	75
11R24.5	51728	120151728	14G	131.9	8.25	7.50	10.9	44.1	28	12.0	20.7	472	6610@105	6005@105	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

TY527™

TRUCK STEEL RADIAL

APPLICATION

LONG- AND REGIONAL-HAUL, DRIVE

STEM-2 StrainEnergy Minimization

6 YEAR THREE RETREADS CASING WARRANTY

Built to meet the needs of today's modern fleets, the TY527 is designed to maximize original tread life, durability, retreadability, and to reduce rolling resistance.

FEATURES AND BENEFITS

32/32" Original Tread Depth and Special Cap Compound ensure long wear without sacrificing durability.

Temperature Controlling Cap Compound fights heat generation.

Distinct Directional Tread promotes even wear and exceptional traction.

Stone Damage Prevention Grooves protect casing integrity to extend casing life.

TY527 replaces: Michelin XDA5+ • Goodyear Endurance LHD • Bridgestone M726 ELA

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
295/75R22.5	52721	120152721	16H	129.1	9.00	8.25	11.1	41.0	32	12.2	19.2	512	6610@120	6005@120	75
11R22.5	52722	120152722	16H	136.5	8.50	7.50	10.9	42.4	32	11.9	19.8	494	6610@120	6005@120	75
285/75R24.5	52703	120152703	14G	130.8	8.25	7.50-9.00	10.8	42.3	32	11.8	19.8	495	6175@110	5675@110	75
11R24.5	52724	120152724	16H	140.8	8.25	7.50	11.0	44.4	32	12.1	20.9	471	7160@120	6610@120	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

TY303™

TRUCK STEEL RADIAL

APPLICATION

ON-HIGHWAY, DRIVE

STEM StrainEnergy Minimization

6 YEAR THREE RETREADS CASING WARRANTY

TY303 is a deep-treaded workhorse designed for on-highway operations.

FEATURES AND BENEFITS

Tread Compound generates long, even wear.

Unique arrangement of Shoulder Lug Grooves promotes even treadwear.

Rib Block Tread Design is ultra-durable and provides lower rolling resistance as well as reliable traction in snow.

TY303 replaces: Michelin XDE M/S • Goodyear G572A LHD FM, G647 RSS • Bridgestone M726, M729F

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
225/70R19.5	30319	120130319	12F	71.6	6.75	6.00	8.7	32.0	20	9.4	15.0	651	3640@95	3415@95	75
265/70R19.5	30315	120130315	14G	89.5	7.50	8.25	10.3	34.4	21	11.2	16.0	607	5070@110	4675@110	75
285/70R19.5	30316	120130316	16H	99.0	8.25	7.50-9.00	11.1	35.4	21	12.1	16.4	591	6615@131	6175@131	75
255/70R22.5	30312	120130312	16H	98.5	7.50	8.25	10.0	37.0	24	10.8	17.3	563	5510@120	5070@120	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

TY287™

TRUCK STEEL RADIAL

APPLICATION

REGIONAL-HAUL, DRIVE

STEM-2 StrainEnergy Minimization

6 YEAR THREE RETREADS CASING WARRANTY

TY287 combines all-season performance with technology to maximize treadlife.

FEATURES AND BENEFITS

Wide Twin Straight Grooves provide exceptional water evacuation.

Open Shoulder Block Design and uniquely-shaped Center Block enable all-season performance.

Three Pitch Variation reduces road noise for a quiet, comfortable ride.

TY287 replaces: Michelin XDS-2 • Goodyear G622 RSD • Bridgestone M895

*Trailer Service Only. **SmartWay Verified for Steer position applications.

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
225/70R19.5	28702	120128702	12F	72.1	6.75	6.00	8.9	32.0	20	9.5	15.0	651	3640@95	3415@95	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

SY767™

TRUCK STEEL RADIAL

APPLICATION

ON-HIGHWAY, DRIVE

STEM-2 StrainEnergy Minimization

6 YEAR THREE RETREADS CASING WARRANTY

SY767 sports an all-season compound and optimized tread pattern to overcome inclement conditions and extend treadlife.

FEATURES AND BENEFITS

Multi-Season Rubber Compound provides superior grip and wear resistance.

Extensive Grooving and Siping maximize biting edges for enhanced traction while Closed Sipes increase traction without sacrificing block rigidity.

Deep Wide Grooves efficiently evacuate water to maximize contact with the road surface.

Extra-Wide Tread matched with 26/32" tread depth promotes great handling stability and long even wear.

SY767 replaces: Michelin XDS-2 • Goodyear G182 RSD • Bridgestone M799

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
11R22.5	76722	120176722	16H	129.3	8.25	7.50	10.9	41.9	26	12.1	19.6	497	6610@120	6005@120	75
11R24.5	76724	120176724	16H	136.3	8.25	7.50	10.9	43.9	26	12.1	20.5	475	7160@120	6610@120	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

LY053™

TRUCK STEEL RADIAL

APPLICATION

ON/OFF-HIGHWAY, DRIVE

STEM StrainEnergy Minimization

6 YEAR THREE RETREADS CASING WARRANTY

LY053 is designed to deliver good tire mileage in applications that require outstanding traction and cutting/chipping resistance.

FEATURES AND BENEFITS

Aggressive Lug Design with large blocks at tread center provides excellent traction and braking on rough roads with mud or gravel. It also enhances the self-cleaning ability of the tread.

Wide Tread Footprint combined with a 31/32" tread depth ensures excellent tire mileage.

Thick Undertread helps dissipate heat and allows the casing to operate at cooler temperatures.

Steel-Cord Top Belt helps protect against penetration damage and rust while minimizing tread distortion and heat generation.

Special Compound resists fatigue, chipping and scaling in rugged off-road conditions.

LY053 replaces: Michelin XDY-EX2, X-Works XDY • Goodyear Workhorse MSD • Bridgestone L317

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
11R22.5	05305	120105305	16H	139.6	8.25	7.50	10.7	42.2	31	11.6	19.8	494	6610@120	6005@120	65
11R24.5	05306	120105306	16H	149.5	8.25	7.50	10.9	44.2	31	11.7	20.7	471	7160@120	6610@120	65

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

BluEarth 709L™ UWB

TRUCK STEEL RADIAL

APPLICATION

LONG- AND REGIONAL-HAUL, DRIVE

Our most fuel-efficient drive tire ever, and our first commercial tire to earn the prestigious BluEarth badge.

FEATURES AND BENEFITS

Advanced Compounding and Unique Tread Design are resistant to heat buildup for improved wear-resistance and fuel-efficiency.

Zero-Degree Belt is the key component to our highly durable casing, creating a consistently stable footprint for long, even wear.

Z-block Design creates countless biting edges that provide outstanding grip during acceleration, and unique tie-bar connectors increase block rigidity to reduce heel-toe wear.

Seven Circumferential Grooves efficiently evacuate water from beneath the tread to maximize contact with the road.

BluEarth 709L UWB replaces: Michelin X One Line Energy D • Goodyear Fuel Max SSD • Bridgestone Greatec M835A Ecopia

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
445/50R22.5	70961	120170961	20L	199.7	14.00	15.00	17.5	40.1	24	18.5	18.7	519	10200@120	--	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

902L™ UWB

TRUCK STEEL RADIAL

APPLICATION

LONG- AND REGIONAL-HAUL, DRIVE

SmartWay® Verified | STEM-2 StrainEnergy Minimization | 6 YEAR THREE RETREADS CASING WARRANTY

The 902L UWB offers operators outstanding all-season traction, long original treadlife, low rolling resistance and a casing made to handle more retreads than the competition.

FEATURES AND BENEFITS

27/32" Tread Depth delivers maximum traction and extra-long treadlife.

Zero Degree Belt provides even weight distribution for a stable footprint and increased treadlife.

Small Block And Sipe Combo is engineered to reduce wear and improve fuel-efficiency.

Advanced Rubber Compound reduces heat generation to optimize fuel economy.

Casing is created specifically to reduce tire strain, prevent casing growth and maximize retreadability.

Dual Sipes improve acceleration and braking on ice.

902L UWB replaces: Michelin X One Line Grip D • Goodyear G392 A SSD FM

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
445/50R22.5	90281	120190281	20L	208.6	14.00	15.00	17.5	40.4	27	18.5	18.7	519	10200@120	--	75
455/55R22.5	90282	120190282	20L	223.8	14.00	15.00	18.3	42.4	27	19.3	19.6	494	11000@120	--	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

BluEarth 109L™

TRUCK STEEL RADIAL

APPLICATION

LONG-HAUL, TRAILER

The BluEarth 109L is a super fuel-efficient trailer tire engineered to withstand the rigors of close quarters maneuvers.

FEATURES AND BENEFITS

Advanced Stress Control Groove resists shoulder damage from sharp turns or accidental curbing.

Optimized Tread Pattern resists scaling in lateral slides common in tight maneuvers.

State-of-the-Art Compound resists wear and provides one of the lowest RRC's in the category.

Compact Tread Blocks roll smoothly for greater fuel-efficiency, while the five-rib design assures superior traction.

BluEarth 109L replaces: Michelin X Line Energy T • Goodyear FM LHT • Bridgestone R197 Ecopia

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
295/75R22.5	10901	120110901	14G	100.5	9.00	8.25	11.6	39.7	12	12.6	18.5	525	6175@110	5675@110	75
11R22.5	10902	120110902	14G	109.0	8.25	7.50	11.0	41.0	12	12.1	19.1	509	6175@105	5840@105	75
285/75R24.5	10903	120110903	14G	105.6	8.25	7.50-9.00	11.0	40.9	12	12.0	19.2	508	6175@110	5675@110	75
11R24.5	10904	120110904	14G	116.9	8.25	7.50	11.1	43.0	12	12.2	20.0	485	6610@105	6005@105	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

RY587™

TRUCK STEEL RADIAL

APPLICATION

LONG- AND REGIONAL-HAUL, TRAILER

SmartWay® Verified | STEM-2 StrainEnergy Minimization | 6 YEAR THREE RETREADS CASING WARRANTY

With a unique combination of long, even original tread mileage, lower fuel consumption, outstanding durability and trouble-free operation, the RY587 is the perfect choice for today's long-haul trucking fleets.

FEATURES AND BENEFITS

Stress Control Grooves minimize pressure at the edge of the tread, resulting in a dramatic reduction of free-rolling wear.

Advanced Tread Compound Technology provides longer wear and reduces rolling resistance, resulting in lower fuel consumption.

Stone Ejector Ribs prevent stones from reaching the bottom of the groove to prevent premature casing damage.

Belt Edge Cushion and Edge Cover Sheet allow steel belt edge flexibility by bonding tightly for reduced strain and longer casing life.

Distinctive Five-Rib Tread Design allows for effective water evacuation.

RY587 replaces: Michelin X Line Energy T • Goodyear G316 LHT • Bridgestone R197 Ecopia

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
295/75R22.5	58711	120158711	14G	103.0	9.00	8.25	11.4	39.8	13	12.4	18.5	525	6175@110	5675@110	75
11R22.5	58702	120158702	14G	106.7	8.25	7.50	11.1	41.0	13	12.0	19.1	509	6175@105	5840@105	75
285/75R24.5	58703	120158703	14G	106.8	8.25	7.50-9.00	10.9	41.0	13	11.9	19.2	508	6175@110	5675@110	75
11R24.5	58704	120158704	14G	115.0	8.25	7.50	11.1	43.0	13	12.0	20.0	485	6610@105	6005@105	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

RY103™

TRUCK STEEL RADIAL

APPLICATION

ON-HIGHWAY/IN-CITY, LOW-PROFILE, ALL-POSITION

STEM StrainEnergy Minimization

6 YEAR THREE RETREADS CASING WARRANTY

The versatile and reliable RY103 incorporates low-profile engineering with quality construction for better mileage, more payload potential, improved handling and better stability.

FEATURES AND BENEFITS

Straight Five-Rib Tread Design with four grooves inhibits stone retention, promotes even wear and provides a smooth ride, improved handling and superior wet traction.

Wide Shoulder Ribs reduce shoulder step wear.

RY103 replaces: Michelin XTY • Goodyear Marathon LHT • Bridgestone R250

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
245/75R22.5	10302	120110302	14G	85.1	7.50	6.75	9.7	37.3	17	10.4	17.5	558	4675@110	4300@110	75
265/75R22.5	10304	120110304	14G	98.3	7.50	8.25	10.0	38.4	17	10.8	18.1	541	5205@110	4805@110	75
275/70R22.5	10382	120110382	16H	107.5	8.25	7.50	10.8	37.7	17	11.6	17.6	553	6940@130	6395@130	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

BluEarth 109L™ UWB

TRUCK STEEL RADIAL

APPLICATION

LONG- AND LINE-HAUL, TRAILER

A trailer tire so efficient, it earns both the BluEarth brand and SmartWay℠ verification, the BluEarth 109L UWB performs where it matters most: your bottom line.

FEATURES AND BENEFITS

Fuel-Efficient Tread Compound provides one of the lowest RRC's in the category without sacrificing treadwear.

Optimized Tread Pattern with Seven Circumferential Grooves rolls smoothly for improved fuel-efficiency.

Zero-Degree Belt assures a consistently stable footprint for long, even wear.

Tapered Grooves promotes stone ejection.

Optimized Sipes greatly improve traction, for powerful braking in acclimate conditions.

BluEarth 109L UWB replaces: Michelin X One Line Energy T • Goodyear FM SST • Bridgestone R197 Ecopia

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
445/50R22.5	10961	120110961	20L	176.4	14.00	15.00	17.6	39.5	13	18.6	18.2	528	10200@120	--	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

RY407™ UWB

TRUCK STEEL RADIAL

APPLICATION

LONG- AND REGIONAL-HAUL, TRAILER

SmartWay® Verified | STEM-2 StrainEnergy Minimization | 6 YEAR THREE RETREADS CASING WARRANTY

The long-lasting, fuel-efficient RY407 UWB is designed to reduce vehicle weight and make your business more efficient.

FEATURES AND BENEFITS

Zero Degree Belt ensures even pressure across the contact patch, allowing for even weight distribution and vastly increased treadlife.

Oversized Hexagonal Bead and Double Nylon Chafer allow for easier mounting and provide even pressure along the wheel's circumference to increase tire life.

Advanced Rubber Compound minimizes heat buildup in the tread area to reduce rolling resistance and allow for deeper tread depths.

Seven Circumferential Grooves and Cross Sipes provide excellent water evacuation and help resist irregular wear.

RY407 UWB replaces: Michelin X One Line Energy T

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
445/50R22.5	40761	120140761	20L	185.6	14.00	15.00	17.2	39.6	16	18.3	18.3	528	10200@120	--	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

TY213A™

LIGHT TRUCK COMMERCIAL

APPLICATION

ON-HIGHWAY/IN-CITY, ALL-POSITION

The TY213A is designed for outstanding stability, reliable water drainage and lasting treadlife for highway and urban applications.

FEATURES AND BENEFITS

Five-Rib Tread Design offers improved handling and excellent all-weather traction.

Combination construction featuring a Polyester Casing and ultra-tough Steel Belts provides outstanding durability.

Load Range E Load Capacity handles heavy duty applications.

OE Fitment on: Isuzu NPR '05, NPR (E) '09 - '14 • Isuzu N-Series '14 • Mitsubishi Fuso FE, HD '04 - '10, Fuso FE, HD (E) '98 - '14 Isuzu N-Series 2014

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
LT215/85R16	21301	140121301	10E	39.5	6.00	5.50-7.00	8.5	30.5	15	9.0	14.2	686	2680@80	2470@80	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

RY103A™

LIGHT TRUCK COMMERCIAL

APPLICATION

ON-HIGHWAY/IN-CITY, ALL-POSITION

The versatile, reliable RY103A incorporates low-profile engineering with proven quality construction for improved fuel-efficiency, mileage, payload potential, handling and stability.

FEATURES AND BENEFITS

Straight Five-Rib tread design inhibits stone retention, promotes even wear and provides a smooth ride, improved handling and superior wet traction.

Wide Shoulder Ribs reduce shoulder step wear.

Maintains excellent performance on all free-rolling positions.

OE Fitment on: Hino 155 (Canada) 2015

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
215/75R17.5	10308	140110308	14G	56.2	6.00	6.75	8.1	30.2	16	8.9	14.0	694	3750@105	3530@105	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

RY215™

LIGHT TRUCK COMMERCIAL

APPLICATION

ON-HIGHWAY, ALL-POSITION

Designed for better handling, the RY215 is engineered to slice through standing water to provide outstanding wet-road performance.

FEATURES AND BENEFITS

Tapered, Multi-Kerf Shoulders prolong tread life and improve steering stability.

Wide Grooves and Deep Kerfs disperse water more efficiently for wet-weather handling.

High Turn-Up Construction and Bead Filler reduce beadline cracking and improve responsiveness.

Polyester Carcass with Steel Belts increases durability.

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
7.00R15	21501	140121501	8D	31.9	5.50	5.00-6.50	7.7	29.4	13	8.5	13.6	706	2040@65	1820@65	65
7.50R16	21505	140121505	12F	44.8	6.00	6.00-7.00	8.4	31.5	13	9.3	14.6	659	3175@95	3020@95	65

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

TY303A™/TY303LT™

LIGHT TRUCK COMMERCIAL

APPLICATION

HIGHWAY ALL-STEEL RADIAL TRACTION

Drive-axle radial for on-highway operations for 2-axle tractors. Available in low-profile sizes.

FEATURES AND BENEFITS

Special Tread Compound generates fuel efficiency and long tread life.

Advanced Arrangement of Shoulder Lug Grooves promote flat, even treadwear.

Rib-Block Tread Design combined with a deep tread depth provide low rolling resistance, outstanding traction on snow and muddy terrains and excellent durability.

OE Fitment on: Hino 155 (Canada) 2015 -

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
215/75R17.5	30366	140230366	12F	56.2	6.00	6.75	8.1	30.4	18	8.9	14.1	690	3530@100	3420@100	75
215/75R17.5	30309	140130309	14G	57.3	6.00	6.75	8.1	30.4	18	8.9	14.1	690	3750@105	3530@105	75
215/70R17.5*	30302	140130302	14G	56.1	6.00	6.75	8.0	29.7	19	8.6	13.9	703	3415@110	3195@110	75

*TY303LT

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

Y742S™

LIGHT TRUCK COMMERCIAL

APPLICATION

ON-HIGHWAY, ALL-POSITION

The rugged, steel-belted construction Y742S delivers long mileage, supreme stability and reliable handling in snow and mud.

FEATURES AND BENEFITS

Buttressed Shoulder Block enhances traction.

Open-Channel, Self-Cleaning Aggressive Block Design cuts through mud and snow.

Special Tread Compound promotes long mileage and excellent traction.

Polyester Body Plies increase driver's comfort on the road.

OE Fitment on: Mitsubishi Fuso FG (E) '02 - '10

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
7.00R15	74210	140174210	8D	36.6	5.50	5.00-6.50	7.8	29.8	18	8.6	13.8	697	2040@65	1820@65	75
LT235/85R16	74250	140174250	10E	49.5	6.50	6.00-7.00	9.3	31.9	18	10.1	14.8	650	3042@80	2778@80	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

Y735B™

LIGHT TRUCK COMMERCIAL

APPLICATION

ON-HIGHWAY, ALL-POSITION

The Y735B is designed to provide outstanding handling and traction for heavy-duty light truck applications.

FEATURES AND BENEFITS

Outside Tread Blocks provide extra traction on snow and mud-covered roads.

Center Tread Blocks are specially arranged to promote improved stability and handling.

Constant Contact Center Blocks reduce tread noise.

Load Range E Construction provides extra load-carrying capacity.

OE Fitment on: Mitsubishi Fuso FG '06

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
7.50R16	73504	120173504	10E	42.1	6.00	5.50-7.00	8.5	32.0	18	9.4	14.8	656	2755@80	2470@80	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

TY025™

LIGHT TRUCK COMMERCIAL

APPLICATION

ON-HIGHWAY, ALL-POSITION

The TY025 is a sure-footed traction tire for the roughest highway conditions.

FEATURES AND BENEFITS

Uniform Profile maintains balanced dispersion of stress for easy-rolling, longer life and enhanced fuel economy.

Two-Ply Steel Belts deliver long mileage and handling stability.

All-Steel Construction improves original tread durability and guards against punctures.

TIRE SIZE	PART NUMBER (Phasing Out)	PART NUMBER (New)	PLY RATING (L.R.)	TIRE WEIGHT (LBS)	RIM SIZE (INCH)		INFLATED DIMENSIONS		TREAD DEPTH (1/32")	LOADED DIMENSIONS		RPM	MAX LOAD CAPACITY AT COLD INFLATION PRESSURE		MAX SPEED (MPH)
					MEASURE	ALT	OVERALL WIDTH (INCH)	OVERALL DIAMETER (INCH)		SECTION WIDTH (INCH)	STATIC RADIUS (INCH)		LB/PSI SINGLE	LB/PSI DUAL	
7.50R16	02501	120102501	14G	58.2	6.00	5.50-7.00	8.2	32.0	19	9.0	15.0	650	3330@100	3175@100	75

For warranty information, please refer to the Yokohama Tire Warranty Claims Procedure Manual at http://www.yokohamatruck.com/warranty

ORIGINAL TREAD DEPTH & LOAD RANGE CHART

	101ZL Spec-2	RY617	104ZR	104ZR Spec-2	RY023	709ZL	703ZL	TY527	TY577 MC²	TY517	TY517 MC2	TY303
215/75R17.5					H/16							
235/75R17.5					H/16							
225/70R19.5					F/16							F/20
245/70R19.5					G/16							
265/70R19.5					G/17							G/21
285/70R19.5					H/17							H/21
255/70R22.5					H/18							H/24
295/75R22.5	G/18	G/18, H/18			G/19, H/19	G/26	G/32, H/32	G/32	G/30, H/30	H/28	G/28	
295/80R22.5			H/20									
315/80R22.5				L/21								
9R22.5			F/17									
10R22.5			G/18									
11R22.5	G/18	G/18, H/18	H/20		G/19, H/19	G/26	G/32, H/32	G/32	G/30, H/30	H/28	G/28	
12R22.5			H/20									
285/75R24.5	G/18	G/18			G/19	G/26	G/32	G/32	G/30		G/28	
11R24.5	G/18	G/18, H/18			G/19, H/19	G/26	G/32, H/32	G/32	G/30, H/30	H/28	G/28	

	TY287	SY767	RY587	RY103	BluEarth 109L UWB	BluEarth 709L UWB	902L UWB	BluEarth 109L	RY407	MY507A	RY253	501ZA	MY507	MY627W Spec-2	LY053
225/70R19.5	F/19														
245/75R22.5				G/17											
255/70R22.5													H/20		
265/75R22.5				G/17											
275/70R22.5				H/17									H/22		
295/75R22.5			G/13					G/12							
315/80R22.5														L/23	
385/65R22.5										J/23	J/19				
425/65R22.5										L/23	L/19				
445/50R22.5					L/13	L/24	L/27		L/16						
445/65R22.5										L/24	L/20				
455/55R22.5							L/27								
11R22.5		H/26	G/13					G/12				H/26	H/26		H/31
285/75R24.5			G/13					G/12							
11R24.5		H/26	G/13					G/12				H/26	H/26		H/31

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